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**1904**  
**MUZZY BROTHERS**  
**SEEDS AND IMPLEMENTS**  
**PATERSON, NEW JERSEY**





# 1904 MUZZY BROTHERS' 1904 Annual Catalogue of Seeds

## ARTICHOKE.

German, *Artichoke*; French, *Artichaut*; Spanish, *Alcachofa*.

	Per oz.	¼ lb.	Per lb.
<b>French Globe</b> .....	\$0 35	\$1 00	\$3 50

The seeds should be sown early in the spring, in drills an inch and a half deep, and one foot apart. The next spring transplant to permanent beds, in rows or hills three feet apart and two feet between the plants. Plant in a deep, rich, moist loam, and the plants should be protected in winter by a covering of leaves or coarse manure. A bed will continue in bearing for several years.

## ARTICHOKE—Jerusalem.

	Per qt.	Per peck
<b>Tubers</b> ..... 3 lbs. by mail for \$1.00	\$0 20	\$1 00

## ASPARAGUS.

German, *Spargel*; French, *Asperge*; Spanish, *Esparrago*.

	Per oz.	¼ lb.	Per lb.
<b>Columbia</b> , producing pure white shoots.....	\$0 10	\$0 20	\$0 50
<b>Conover's Colossal</b> .....	10	20	50
<b>Palmetto</b> , a light green variety.....	10	20	50
<b>Roots, Colossal</b> .... Two years old, per 100	75;	per 1000, 4	50
“ <b>Palmetta</b> “ “ “ “	75;	“	5 00
“ <b>Columbia</b> “ “ “ “	75;	“	6 50

Sow the seed early in spring, in drills 15 inches apart, and about a dozen to the foot in the drill; keep the soil mellow and free from weeds during the summer, and in the succeeding spring transplant to permanent beds, which should be done in the following manner, as described by a cultivator of Oyster Bay Asparagus.

“Plant on sandy soil. To grow Asparagus in perfection, the soil need not necessarily be richer than it must be to produce a good crop of Corn. Some experiments have shown that by heavily manuring the crop cannot be made permanently greater than by moderate dressings. It is not desirable to plant them out very early; more plants will fail to grow than when the planting is deferred until the soil is dry and warm.

“In planting for private use, set out in rows two feet apart, and allow twelve inches in the row. Set the plants at least six inches below the surface. For market on a large scale, set four feet apart one way and two the other, which will allow the use of a horse and cultivator to keep the weeds under.

“If the plot is made sufficiently rich when the plants are set, they will make a large growth the first summer, and the shoots may be cut from them the succeeding year. Any well treated plot ought to produce a moderate crop the second year after planting. Remove the dead brush late in the fall or early in the spring of each year, and apply broadcast a dressing of manure. A plot of Asparagus will reach its maturity in its fifth or sixth year, after that the size of the shoots will diminish, but their numbers will increase.”

## BEANS—English or Broad.

German, *Gartenbohne*; French, *Fève de Marais*; Spanish, *Hava*.

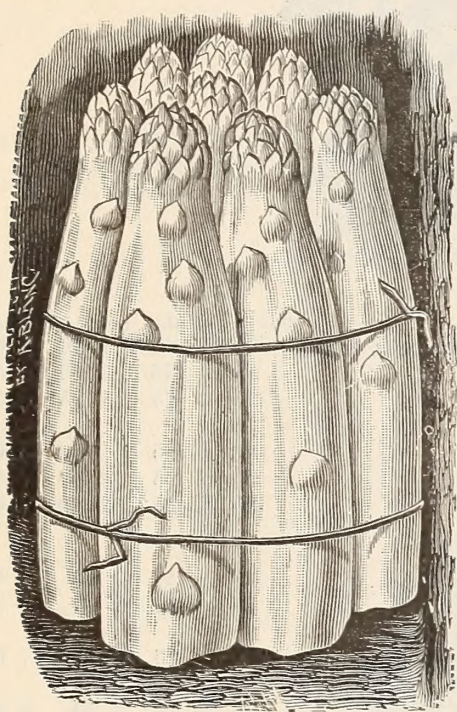
	Per qt.	Per peck
<b>Early Mazagan</b> , earliest variety.....	\$0 30	\$1 50
<b>Broad Windsor</b> .....	30	1 50
<b>Sword Long-pod</b> .....	25	1 25

This class is very hardy and should be planted as soon as the soil is in good state in spring. Plant four inches apart and two inches deep, in drills four feet apart. To insure well-filled pods, pinch off the top as soon as the lower pods begin to set.

## BEANS—Bush or Snap Varieties.

German, *Bushbohnen*; French *Haricots nains*; Spanish, *Habichuelas enanas*.

	Per qt.	½ pk.	Per pk.	Per bu.
<b>New Everbearing</b> , prolific, very early.....	\$0 30	\$1 00	\$1 75	\$6 00
<b>Muzzy's Stringless Green Pod</b> , two weeks earlier than Valentine, very tender.....	30	1 00	1 75	5 50
<b>Marvel Paris</b> , early, long and slender pods, very productive.....	30	1 00	1 75	6 00
<b>Livingston's Round Pod Six-Weeks Bean</b> .....	30	1 00	1 75	5 50
<b>Early Valentine</b> , early, productive, tender, and of excellent flavor..	30	85	1 50	5 00
<b>Early Mohawk</b> , very productive and of good quality.....	30	85	1 50	5 00
<b>Early China</b> , very early and of fine quality.....	30	85	1 50	5 00
<b>Long Yellow Six-Weeks</b> , early, excellent variety for general crop	30	85	1 50	5 00
<b>Ne Plus Ultra</b> , extra early variety for forcing green.....	30	85	1 50	5 00
<b>Extra Early Refugee</b> , similar to late Refugee, pods 2 weeks earlier	30	85	1 50	5 00



*Columbia White Asparagus.*



**BEANS—Bush or Snap Varieties.—Continued.**

	Per qt.	½ pk.	Per pk.	Per bu.
✓ <b>Refugee, or Thousand to One,</b> extensively grown for pickling late sort	30	85	1 50	5 00
✓ <b>Long White Kidney,</b> excellent as a shell bean, green or ripe	25	75	1 25	4 50
✓ <b>White Marrowfat,</b> extensively grown for sale in the dry state	25	75	1 25	4 50
✓ <b>Flageolet Green Seed,</b> used as a shell bean when green	50			
✓ <b>Golden Refugee,</b> pods round and light color	30	85	1 50	5 00
✓ <b>Dwarf White Lima,</b>	35	1 25	2 00	7 00
✓ <b>Burpee's Bush Lima,</b> large and flat, very productive	35	1 25	2 00	7 00

**Dwarf Wax Varieties.**

✓ <b>Refugee Wax,</b> good for early or late, immense yielder	35	1 25	2 00	7 00
✓ <b>Golden-Eyed Wax,</b> very early, prolific, free from rust	35	1 25	2 00	7 00
✓ <b>Thorburn's Valentine Wax,</b> improved extra early Valentine. round wax pods	35	1 25	2 00	7 00
✓ <b>Wardwell's New Dwarf Kidney Wax,</b> extra early, long pods, very productive	35	1 25	2 25	8 00
✓ <b>Black Wax, or Butter,</b> pods of a waxy yellow, transparent and very tender	35	1 25	2 00	7 00
✓ <b>White Wax,</b> beans pure white, pods yellow, tender and rich	35	1 25	2 00	7 00
✓ <b>Golden Wax,</b> This valuable variety is about ten days earlier than the				



Early Red Valenitne Beans.

Dwarf Black Wax, pods large, long, brittle, entirely stringless	35	1 25	2 00	7 00
✓ <b>Yosemite Mammoth Wax,</b> the largest pods of all the Wax Varieties	60			
✓ <b>Flageolet Wax Red,</b> pods large and very tender	35	1 25	2 00	7 00
✓ <b>Algerian Wax,</b> very productive, round pods	30	1 00		7 50
✓ <b>Detroit Wax,</b> similar to Golden Wax, less rust	35	1 25	2 00	7 00

**BEANS—Pole or Running Varieties.**

German, *Slangenbohnen*; French, *Haricots a rames*;  
Spanish, *Judlos*.

	Per qt.	½ pk.	Per pk.	Per bu.
✓ <b>Challenger Lima,</b> potato variety, five and six in a pod	\$0 35	\$1 25	\$2 00	\$7 00
✓ <b>King of the Garden Limas,</b> large pods, very productive	35	1 25	2 00	7 00
✓ <b>New Early Jersey,</b> very early	35	1 25	2 00	7 00
✓ <b>Large White Lima,</b> a greatly e-teemed variety	35	1 25	2 00	7 00
✓ <b>Dreer's Improved Lima,</b> This variety has proved to be a decided acquisition	35	1 25	2 00	7 00
✓ <b>Small White Lima,</b> Small, but good quality	35	1 25	2 00	7 00



## BEANS—Pole or Running Varieties—Continued.

	Per qt.	½ pk.	Per pk.	Per bu.
✓ <b>Dutch Case Knife</b> , a very productive variety, and one of the earliest.....	\$0 30	\$1 00	\$1 75	\$6 50
✓ <b>Horticultural, or Speckled Cranberry</b> , a popular variety for private use, equally serviceable in the green state or when shelled.....	30	1 00	1 75	6 00
✓ <b>Scarlet Runner</b> , beautiful scarlet flowers for ornamental and table use.....	30	1 00	1 75	6 00
✓ <b>Black Wax</b> , pods long, thick and fleshy; pale yellow color; waxy appearance; very productive and tender; excellent as a snap or shelled green.....	35	1 25	2 00	7 00
✓ <b>Mont d'Or</b> , Golden Wax pods; early.....	30	1 00	1 75	6 00
✓ <b>French Yard Long Pods</b> , two or three feet long.....	½ pint, \$0 25			

Sow Bush sorts in drills about two feet apart, and drop the beans about three inches apart in the drills; cover two inches or less; for a succession, sow at intervals of two weeks. Lima beans should not be planted until settled warm weather; make rich hills, four feet apart each way: set a pole eight or ten feet high in each; press the beans into the soil *eye down*, six or eight to each pole, and when they are well up, thin out to four. A quart of Limas is sufficient for 75 or 80 hills, and a quart of Bush Beans will sow a row 100 feet long.

## BORAGE.

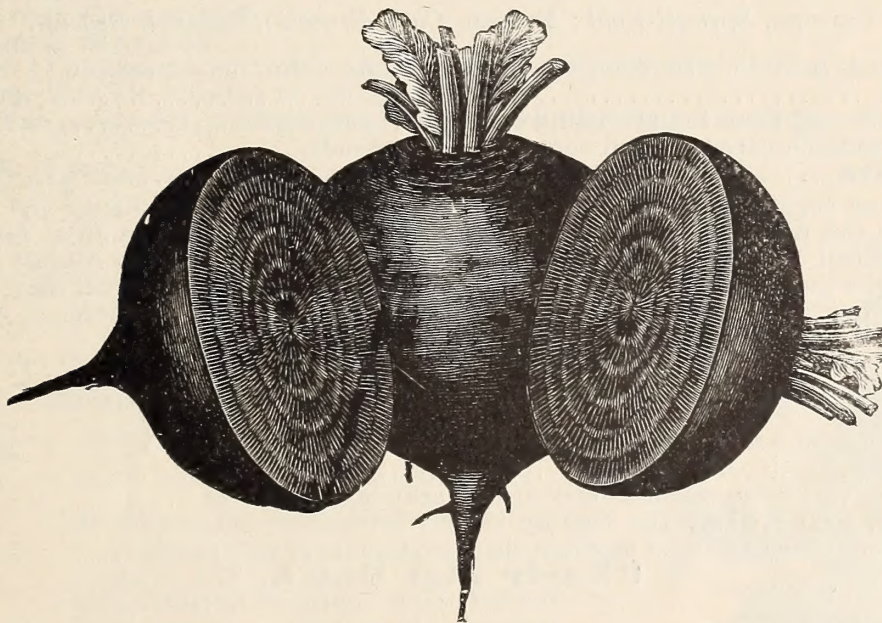
German, *Borritsch*; French, *Bourrache*; Spanish, *Berraja*.

Used as a pot herb; also as a salad, or can be boiled, and also for garnishing, but chiefly required for claret cups and other cooling drinks. Bees are very partial to the flower.....

Per oz.	¼ lb.	Per lb.
\$0 10	\$0 30	\$1 00

## BEETS.

German, *Runkelrub*; French, *Betterave*; Spanish, *Remolacha*.



*Early Egyptian Beet.*

	Per oz.	¼ lb.	Per lb.
✓ <b>Dark Red Egyptian</b> , the earliest beet in cultivation, color deep crimson; of excellent quality.....	\$0 10	\$0 20	\$0 50
✓ <b>Extra Early Eclipse</b> , very early, good size.....	10	20	60
✓ <b>Carter's Excelsior</b> .....	10	20	60
✓ <b>Earley Flat Bassano</b> , chiefly valuable for its earliness.....	10	20	50
✓ <b>Early Blood Turnip</b> , standard Early sort, an excellent variety.....	10	20	50
✓ <b>Edmand</b> , market garden variety, uniform shape, dark.....	10	20	50
✓ <b>Dewing's Blood Turnip</b> , of fine form and flavor.....	10	20	50
✓ <b>Bastian's Blood Turnip</b> .....	10	20	50
✓ <b>Long's Smooth Blood Red</b> , an excellent late variety.....	10	20	50
✓ <b>Swiss Chard</b> , used for its leaves, which are cooked as spinach.....	10	20	50



**BEETS—Continued.****MANGEL-WURZEL AND SUGAR.***Varieties used for feeding stock. Sow 6 lbs. per acre.*

	Per oz.	¼ lb.	Per lb.
✓ <b>Mammoth Red Mangel-Wurzel</b> , producing roots of mammoth size, very regular, and with a small top.....	\$0 10	\$0 15	\$0 30
✓ <b>Yellow Globe Mangel-Wurzel</b> , roots very large and globular.....	10	15	30
✓ <b>Long Yellow Mangel-Wurzel</b> , good for general crop.....	10	15	30
✓ <b>Golden Tankard Mangel-Wurzel</b> , a new and very valuable variety, of fine form and of very sweet flavor, bright yellow in color, when cut it shows the interior rings similar to most varieties of garden beet.....	10	15	30
✓ <b>White Silesian Sugar Beet</b> , extensively grown for feeding stock and the manufacture of sugar.....	10	15	30
✓ <b>Vilmorin's Improved Sugar Beet</b> , an improved variety.....	10	15	30
✓ <b>Lane's Imperial Sugar Beet</b> , improved variety of the French Sugar Beet, obtained by careful selection in this country.....	10	15	30

A rich, deep, open soil is the best suited to the culture of Beets; fresh manure is undesirable, but land that has been well manured the previous year is highly suitable. For an early supply sow in spring as soon as the ground becomes fit to work, in drills about one foot apart and two inches deep. For main crop sow the first week in May, and for winter use sow in June. When the plants have obtained three or four leaves, thin out, so that they may stand eight or nine inches apart. Keep free from weeds by hand weeding and hoeing. Those intended for winter use may be taken up in October, and stored in dry sand, in the cellar or outhouse. Before storing leaves and fibers must be trimmed off, but care must be taken not to bruise the main root.

**BRUSSELS SPROUTS.***German, Sprossen-Kohl; French, Chou de Bruxelles; Spanish, Berza de Brusels.*

	Per oz.	¼ lb.	Per lb.
✓ <b>Imported Seed</b> , (French) .....	\$0 20	\$0 50	\$1 50
✓ <b>Dwarf Improved</b> , a variety producing compact sprouts of excellent quality .....	30	85	3 00

A tender and delicious vegetable. The plant grows two or three feet high, and produces from the sides of the stalk numerous little sprouts, one or two inches in diameter, resembling cabbages. The leaves, which look like the Savoy, should be broken down in the fall, to give the little cabbages room to grow. They are very tender and sweet after early frosts. Sow early in hot-beds, or in seed-beds in May; transplant and cultivate like the cabbage.

**BROCCOLI.***German, Spragel-Kohl; French, Chou Brocoli; Spanish, Brocoli.*

	Per oz.	¼ lb.	Per lb.
✓ <b>Early White</b> , heads medium size, compact, creamy white color, most certain to head.....	\$0 30	\$0 85	\$3 00
✓ <b>Purple Cape</b> , differing from the preceding color, greenish purple.....	40	1 25	4 00
✓ <b>Walcheren</b> , a valuable variety, with very large, firm heads.....	40	1 25	4 00
✓ <b>Mammoth White</b> .....	40	1 25	4 00

A favorite European vegetable, nearly allied to the Cauliflower, but more hardy and surer to head; the seed should be sown in this district in the early part of May, and transplanted in June, farther south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.

**CABBAGE.***German, Kopfkohl; French, Chou; Spanish, Berza de reppollo.*

	Per oz.	¼ lb.	Per lb.
✓ <b>Etampes</b> , early French variety, with pointed heads.....	\$0 20	\$0 60	\$2 00
✓ <b>Express</b> , very early, small solid heads.....	20	60	2 00
✓ <b>All Seasons</b> , fine variety for second early or late growing; good size.....	20	60	2 00
✓ <b>Early Jersey Wakefield</b> , the leading variety for market in the vicinity of New York; very early, of medium size, good quality, sure to head....	25	75	2 50
✓ <b>Early Flat Dutch</b> , This is one of the best early cabbages in cultivation producing large compact heads from 10 to 12 pounds and upward in weight and of excellent quality.....	25	75	2 50
✓ <b>Early Summer</b> , a valuable early sort, resembling the Early Flat Dutch.....	20	60	2 00
✓ <b>Early Winnigstadt</b> , heads large, one of the best for general use.....	20	60	2 00
✓ <b>Large York</b> , larger and later than the Early York.....	15	50	1 50
✓ <b>Fottler's Improved Brunswick</b> , This is a very fine second early variety.....	20	50	1 50
✓ <b>Henderson's Succession</b> , a second early and late variety, a sure header; seeds sown in March produce large heads in June.....	25	75	2 50

*All Seasons Cabbage.*



**CABBAGE—Continued.**

	Per oz.	Qr. lb.	Per lb.
✓ <b>Large Late Drumhead</b> , and excellent fall and winter variety, grows to a large size, with round, compact heads.....	\$0 20	\$0 60	\$2 00
✓ <b>Large Late Flat Dutch</b> , the most popular variety for late cultivation. Large solid heads, broad and flat on top, best to keep.....	20	60	2 00
✓ <b>Vandegaw's Flat Dutch</b> , a sure header, quick growing.....	20	50	2 00
✓ <b>Red Stone Head</b> , used almost exclusively for pickling.....	20	60	2 00
✓ <b>Drumhead Savoy</b> (American) the largest heading sort, of excellent flavor..	20	60	2 00
✓ <b>Filder Kraut</b> , or <b>Pomeranian Pointed Head</b> .....	20	50	1 50

For very early use plant in the autumn, from 10th to 25th September, in a seed-bed, and protect in cold frames during the winter, being careful to set them down to the first leaf. Transplant in the following spring as soon as the soil will admit. For autumn and winter use, plant in the seed-bed in May and early part of June, and when six inches high transplant into rich soil, two feet apart each way for the early varieties, and three by two and a half feet for the large winter varieties. To secure the best results, the soil should not be too dry, but should be thoroughly enriched, and the crop should be hoed at least once in 10 days. Sow in heat early in spring, seed of the early kind for a second crop; also the late varieties for winter use.

**CARROT.**

German, *Moehren*; French, *Carotte*; Spanish, *Zanahoria*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Early French Forcing</b> , the earliest variety, valuable for forcing; root small and of fine flavor.....	\$0 15	\$0 30	\$1 00
✓ <b>Early Round Parisian</b> , small, for frames or open ground.....	15	30	1 00
✓ <b>Early Scarlet Horn</b> , an old and favorite sort, much esteemed for early summer.....	10	25	90
✓ <b>Half Long Danvers</b> , a variety intermediate in size and period of maturity between the preceding and the Long Orange.....	10	25	75
✓ <b>Half Long Stump-Rooted Chantenay</b> , like Nantes, broader shoulder.....	10	30	90
✓ <b>Half Long Pointed</b> .....	10	25	90
✓ <b>Half Long Stump Guarande</b> .....	10	25	90
✓ <b>Half Long Stump Nantes</b> .....	10	25	90
✓ <b>Carentan</b> , a new early variety without core. It is an excellent sort for forcing, or used as an early kind for planting in the open ground.....	10	25	90
✓ <b>Long Orange Improved</b> , roots of large size, equally adapted for garden or farm culture.....	10	25	75
✓ <b>Large White Belgian</b> , grown almost exclusively for stock.....	10	20	50

The Carrot, like other root crops, delights in a sandy loam, deeply tilled. It should never be sown on newly manured ground, as forked roots are sure to be the result. It is best to sow on ground that has been well manured the previous year for some other crop, such as Celery, Potatoes, Onions or Peas, but avoiding such crops as Cabbage and Turnips, or any of the tap-rooted sections. For early or main crops sow the latter part of April; for latter crops they may be sown any time until the beginning of June. Sow in rows about 15 inches apart and half an inch deep, thinning out to three or four inches between the plants.



*Nantes Carrot.*

**CAULIFLOWER.**

German, *Blumen-Kohl*; French, *Chou-fleur*; Spanish, *Coliflor*.

	Per pkt.	Per oz.	Qr. lb.	Per lb.
✓ <b>Extra Early Dwarf Erfurt</b> , short stem; fine.....	\$0 50	\$6 00		
✓ <b>Extra Early Paris</b> . This is one of the earliest and best varieties, heads large white and compact, of fine quality.....	10	60	\$1 75	\$6 00
✓ <b>Early Snowball</b> , admirable for forcing, very solid, pure white heads...	25	2 25		
✓ <b>Large Early Dwarf Erfurt</b> , the earliest and best of all varieties for forcing.....	25	2 25		



**CAULIFLOWER—Continued.**

Snowball Cauliflower.

**Lenormand's Short Stemmed**, a late variety, producing very large, well-formed heads of superior quality, 10 cents per pkt. .... Per oz. ¼ lb. Per lb.  
\$0 60 \$1 75 \$6 00

**Algiers**, popular late variety, sure to head, excellent for market, 10 cts. per pkt. .... 60 1 75 6 00

**Early London**, 5 cts. per pkt. .... 40 1 25 4 00

Cauliflower delights in a rich, moist soil, and in dry seasons should be abundantly watered. The seeds may be sown in September and wintered over in the same manner as described for early cabbage. Where this is not practicable, it may be had nearly as well by sowing the seeds in the hotbed in January or February and transplanting the plants at two to three inches apart in boxes, or in the soil of another hotbed, until such time as they are safe to be planted in the open ground, which, in this latitude, is usually from the 15th of March to the 10th of April. If properly hardened off, they are seldom injured by being planted out too early.

**CELERY.**German, *Seleri*; French, *Celeri*; Spanish, *Apio*.

**Thorburn's Fin de Siecle** (see Novelties) ..... Per oz. ¼ lb. Per lb.  
**Rose Ribbed Self-blanching**, a sprout of Golding Self-Blanching; very choice ..... \$0 25 \$0 75 \$2 50

**Evans' New Triumph**, solid and crisp, fine nutty color. .... 25 75 2 50

**Giant Pascal**, stalks very large, thick and crisp. .... 20 60 2 00

**Golden Self-Blanching**, similar to White Plume, much larger in growth. .... 20 60 2 00

**Large Ribbed Kalamazoo**, half dwarf white, solid. .... 30 1 00 3 50

**White Plume**, requires very little banking. .... 20 50 1 50

**Pink Plume**, similar to White Plume, stalks tinged with pink, good keeper. .... 20 60 2 00

**Golden Heart**, one of the best for market or private use. .... 25 75 2 50

**Sandringham Dwarf White**, an imported variety of fine flavor; soup greens. .... 20 50 1 50

**Boston Market**, an excellent dwarf-growing white variety. .... 15 30 1 00

**Crawford's Half Dwarf**, excellent for market or private use. .... 20 50 1 50

**Perfection Heartwell**. It is very large and solid, half-dwarf, and full Golden Heart; good market garden variety. .... 15 40 1 25

**Convent Garden Rose**, pink variety, good flavor. .... 20 60 2 00

**Celery Seed, for flavoring** (old seed) ..... 20 60 2 00

..... 05 10 25

The seeds may be sown in the open ground in April, as soon as the ground can be nicely worked. Sow about half an inch deep, and be careful to firmly press the soil over the seed; this should be done by treading over the rows with the feet after sowing; this prevents the air drying up the seed, which thereby loses its vitality and fails to germinate. Many valuable crops are annually lost by inattention to this important particular. After the seed is up, keep carefully clear of weeds until the time of planting, June and July; the tops may be shorn off once or twice before planting; this makes them "stocky" and they suffer less in being transplanted. After the ground has been well prepared, plant in rows from three to four feet apart, according to the variety, setting the plants about six inches apart, and pressing the soil firmly about the roots; keep free from weeds until the plants are able to take care of themselves. Earth up gradually during their growth, keeping the leaf stalks close together, so that the soil does not get between them. The soil best suited for Celery is a rich, moist loam.

**CELERIAC or TURNIP-ROOT-ED CELERY.**German, *Knob-Seleri*; French, *Celeri-Rave*.

**Prague, or Turnip Rooted** ..... Per oz. ¼ lb. Per lb.  
\$0 15 \$0 50 \$1 50

**Apple Celeriac**. An improved variety nearly round.... 25 75 2 50





## CHICORY.



Chicory.

Ger., *Chicorie*; French, *Chicoree Saur*; Span., *Escarola*.

**Common.** This variety produces the "*Barbe de Capucin*," a salad much used in France. Sown in June, the root are transplanted in autumn into sand in a cellar; the shoots which will come up soon form the "*Barbe de Capucin*."

Oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Large Rooted.** Used to mix with or a substitute for coffee. Cultivation same as the Carrot.

Per oz., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.

## CHERVIL.

Ger., *Bisenlauch*; French, *Cerfeuil*; Span., *Cerafolio*.

**Curled**  
**Common, or Tuber-**  
**ous Rooted**

Per oz.	$\frac{1}{4}$ lb.	Per lb.
\$0 10	\$0 30	\$1 00
15	50	1 50

The young leaves are used in soups and salads. Sow thinly in May, in drills half inch deep, one foot apart.



Celeriac.

## COLLARDS—Georgia Grown.

German, *Blatter-Kohl*; French, *Chou Cabu*; Spanish, *Cabu*.

Sow seeds as for Cabbage in June, July and August, for succession. Transplant when one month old in rows a foot apart each way, and hoe often.

Per oz.	$\frac{1}{4}$ lb.	Per lb.
\$0 10	\$0 25	\$0 75

## CORN SALAD, or FETTICUS.

German, *Ackersalat*, *Lammersalat*; French, *Mache*; Spanish, *Macha Valereanilla*.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
<b>Large Seeded</b>	\$0 10	\$0 20	\$0 50
<b>Lettuce Leaved</b>	15	25	85
<b>Small Seeded</b>	10	20	50

Corn Salad, Fetticus, or Lambs Lettuce is used to a considerable extent as a salad. It is sown on the first opening of spring in rows one foot apart, and is fit for use in six or eight weeks from the time of sowing. If wanted to come out early in spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in, and is wintered over the same way as Spinach.



Corn Salad.

## CORN—Sweet.

German, *Zucker Welschkorn*; French, *Maise de Sucre*; Spanish, *Maiz de Azucar*.



### New Columbus Market Sweet Corn.

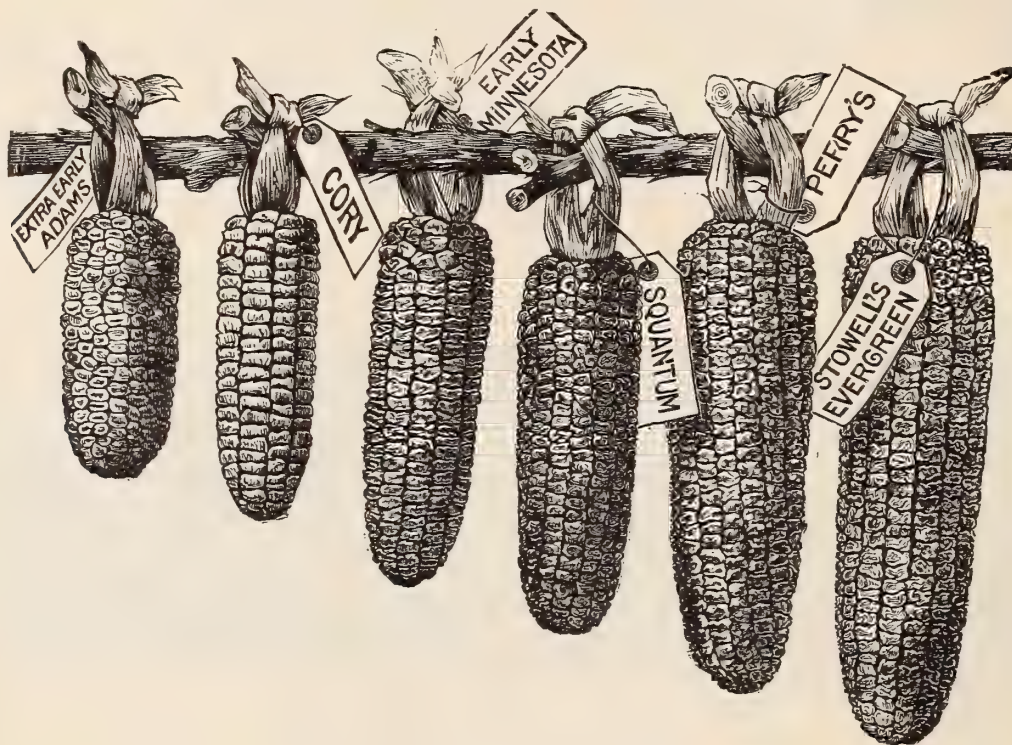
	Per ear	Per qt.	$\frac{1}{2}$ pk.	Per pk.	Per bu.
✓ <b>Early Champion</b> , large ears and early	\$0 06	\$0 35	\$1 25	\$1 75	\$6 50
✓ <b>Columbus Market</b> , large, and for second early		35	1 25	1 75	6 50
✓ <b>White Cory</b> , earliest grown, white cob; extra early	05	30	1 00	1 75	6 50
✓ <b>Early Maine</b> , dwarf stalk, cream color; extra early		25	75		3 50
✓ <b>Country Gentleman</b> , the sweetest and most tender of all Sweet Corn; late	10	40	1 40	2 25	8 50
✓ <b>Livingston's Evergreen</b> , a second early variety, resembling Evergreen; general crop	06	35	1 25	1 75	6 50
✓ <b>Cory</b> , very early Red Cob, good size; extra early	05	30	1 00	1 75	6 50
✓ <b>Early Minnesota</b> , very early; ears fair sized and uniform; plant rather dwarf; one of the best early kinds; extra early	06	30	1 00	1 75	6 00
✓ <b>Perry's Hybrid</b> , very early and of large size; extra early	06	30	1 00	1 75	6 00
✓ <b>Crosby's Early Sugar</b> , early sorts; ears short, from 12 to 16 rows second early	06	35	1 25	1 75	6 50
✓ <b>Early Marblehead</b> , very early; ears good size, extra early	06	35	1 25	1 75	6 50



**CORN—Sweet—Continued.**

	Per ear.	per qt.	½ pk.	per pk	per bush.
<b>Moore's Early Concord</b> , ears large and well filled from 12 to 20 rows ; second early.....	\$0 06	\$0 30	\$1 00	\$1 75	\$6 00
<b>Early Adams</b> , not a Sugar Corn ; second early .....	05	20	60	1 00	3 50
<b>Early Mammoth</b> , large and not very late ; general crop.....	10	40	1 40	2 25	8 50
<b>Triumph</b> , excellent medium early, large size, rich, sweet ; good for market ; general crop.....	10	35	1 25	1 75	6 50
<b>Hickox Improved</b> , a new variety of superior excellence, ears 12-rowed, straight and handsome ; a superior market kind ; general crop.....	10	35	1 25	1 75	6 50
<b>Stowell's Evergreen</b> , a late variety, of excellent quality, remaining longer in the green state than any other ; general crop..	10	35	1 25	2 00	7 50
<b>Mammoth Sugar</b> , late variety ; one of the largest ; productive ; late.....	10	40	1 40	2 25	8 50
<b>Black Sugar</b> , black ears, said to be the sweetest of all kinds ; late	06	35	1 25	1 75	6 50
<b>Moonachie</b> , very sweet ; well-filled ears and productive ; general crop.....	10	35	1 25	2 00	7 50
<b>Sweet Fodder</b> , for ensilage.....	Very scarce. Price on application.				

Sweet Corn may be either sown in rows, four and a half feet apart, and the seeds planted at about eight inches in the rows, or planted in the hills, at distances of three or four feet each way, according to the variety grown, or the richness of the soil in which it is planted. The taller the variety or the richer the soil, the greater should be the distances apart. The first plantings in this vicinity are made about the middle of May, and successive plantings every two or three weeks until the first week in July. In more southern latitudes planting is begun a month earlier and continues a month later.



Sweet Corn.

**FIELD CORN.**

	Qt. shelled.	Per 100 ears.	Bush. shelled
<b>Mastodon Dent</b> , very early, strong growing.....	\$ 15	\$2 00	\$1 60
<b>Pride of The North</b> , (Dent) very early.....	15	2 00	1 60
<b>Leaming Yellow</b> , (Dent) early.....	15	2 00	1 75
<b>King Philip Early</b> , Red Kernels.....	15	2 00	1 75
<b>Champion White Pearl</b> ,.....	15	2 00	1 60
<b>Early Canada</b> , Yellow Kernels.....	15	2 00	1 60
<b>Mammoth White Surprise</b> , large dented.....	15	2 00	1 60
<b>Large Yellow Flint</b> ,.....	15	2 00	1 75
<b>Large White Flint</b> ,.....	15	2 00	1 75
<b>Chester County Mammoth</b> , large, late yellow Dent.....	15	3 00	1 75
<b>Southern Horse Tooth</b> , for fodder.....			1 50
<b>Sweet Fodder</b> .....	Price on application.		
<b>Pop Corn</b> .....	per lb., 10 cts. ; per 100 lbs., \$5 00		



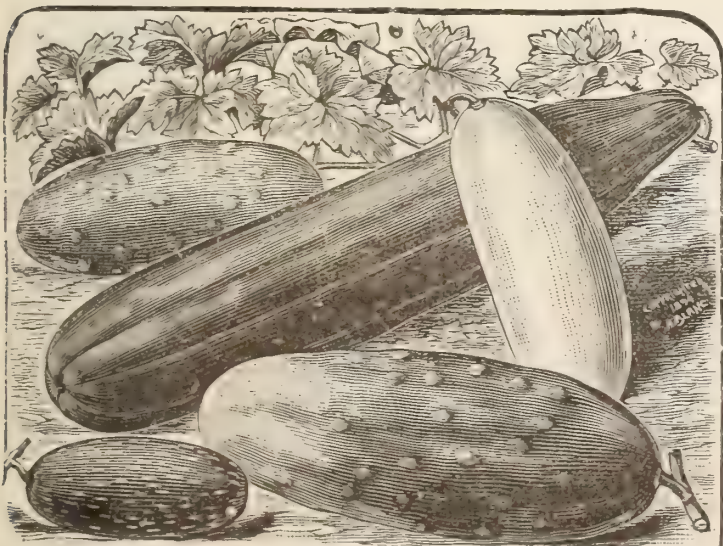
**CRESS.**German, *Kresse*; French, *Cresson*; Spanish, *Mastuerzo*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Curled Cress or Peppergrass</b> .....	\$0 10	\$0 20	\$0 40
✓ <b>Water Cress</b> .....	35	1 00	3 50

Are excellent for small salads; the leaves while young have a warm, pungent taste. They can be used alone or mixed with Lettuce, Mustard, or other salad plants. Sow thickly at frequent intervals for succession, and treat in the same manner as Mustard.

**CUCUMBER.**German, *Gurken*; French, *Concombre*; Spanish, *Pepino*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Cumberland</b> , Best pickling sort, productive and crisp.....	\$0 25	\$0 75	\$2 25
✓ <b>Livingston's Emerald</b> , round and smooth, small seed portion.....	20	60	2 00
✓ <b>Fordhook Pickling</b> , prolific, medium size, skin thin.....	20	60	2 00
✓ <b>Cool and Crisp</b> , very prolific; good for pickling and slicing.....	25	75	2 50
✓ <b>Thornburn's Everbearing</b> , small size; very early and productive.....	20	60	2 00
✓ <b>Early Russian</b> , the earliest variety, small and short.....	20	60	2 00
✓ <b>Nichols' Medium Green</b> , straight and smooth, medium in size; good for early forcing.....	20	60	2 00
✓ <b>Improved Early White Spine</b> , the best table variety; grows uniformly straight and smooth; dark green; tender and excellent flavored.....	25	75	2 50
✓ <b>Peerless White Spine</b> , a new variety of the preceding; average length 10 inches; full at both ends; deep green, holding color until mature.....	25	75	2 75
✓ <b>Tailby's Hybrid</b> , a cross between the Early White Spine and an English Frame variety, combining the hardiness of the first with the beauty and size of the latter.....	20	60	2 00
✓ <b>Early Green Cluster</b> , a short, prickly, seedy variety, bearing in clusters near the root. It is a great bearer.....	20	60	2 00
✓ <b>Early Short Green</b> , the standard for pickling, medium size, straight and handsome. It makes a beautiful pickle that keeps well.....	20	60	2 00
✓ <b>Long Green</b> , a very excellent variety; a good bearer; about a foot in length, rather pointed at both ends; dark green, firm and crisp.....	20	60	2 00
✓ <b>Green Prolific</b> , very prolific, and said by those who have tested it to be the best pickling Cucumber on the market; it is equally desirable as a market Cucumber.....	25	75	2 50
✓ <b>West Indian Gherkin or Burr</b> , a very small, oval-shaped prickly variety. It is grown exclusively for pickling, and should always be pickled when young and tender.....	20	60	2 00

*Cucumbers.*

Cucumbers succeed best in warm, moist, rich, loomy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be plucked when large enough, whether required for use or not, as if left to ripen on the vines, it destroys their productiveness.

✓ **English Frame Cucumber**—Per pkt., 25 cts.

✓ **Improved Sion House. Telegraph. Giant of Arnstadt. Duke of Edinburgh. Gen. Grant. Long Gun. Carter's Tender and True. Swan Neck. Blue Gown.**

These varieties are for growing in hotbeds, or in houses particularly constructed for forcing, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Sow seeds in November, December

or January, according to the time they are wanted for market, taking care to give plenty of air and water. It will be necessary to fertilize the pistillate flowers with the staminate in order to render the vines productive, as owing to the absence of insects they will not produce a crop under glass the same as in the ground, where bees and other insects have free access to the flowers.





Dandelion.

**DANDELION.**German, *Pardeblume*; French, *Pisse en-lit*; Spanish, *Armargon*.

	Per oz.	Qr. lb.	Per lb.
<b>Thick Leaved</b> .....	\$0 45	\$1 25	\$4 00
<b>Best French</b> .....	20	60	2 00
<b>Endive Leaved, new</b> .....	50	1 50	5 00

The Dandelion is much used for spring salads and resembles Endive. Sow the seed in May or June in drills half an inch deep and 12 inches apart. The plants will be ready for use the following spring.

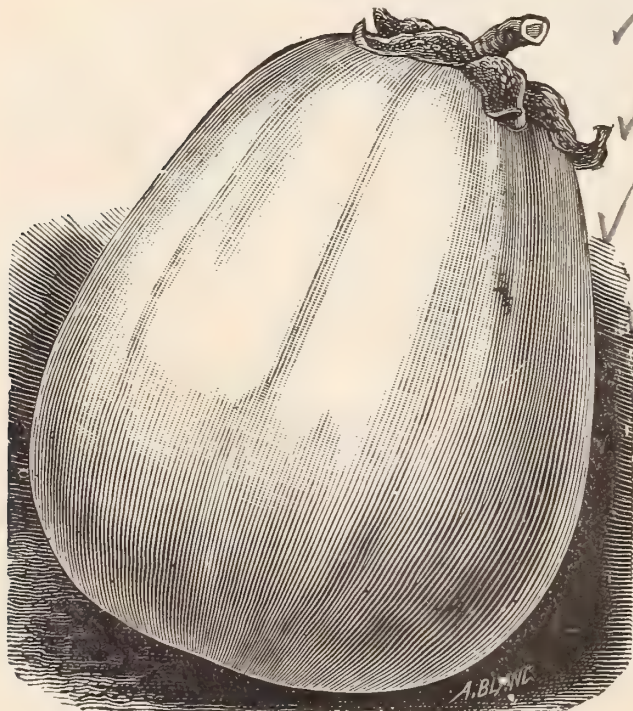
**ENDIVE.**German, *Endevien*; French, *Chicoree*; Spanish, *Endivia*.

	Per oz.	Qr. lb.	Per lb.
<b>Green Curled Winter</b> , very hardy; leaves dark green, tender and crisp.....	\$0 15	\$0 40	\$1 25
<b>Broad-Leaved Batavian</b> ( <i>Escarolle</i> ), chiefly used in soups and stews; requires to be tied up for blanching.....	15	40	1 25
<b>Early White Curled</b> ( <i>Self-Blanching</i> ), the best variety, grows to a large size; very large and tender.....	15	40	1 25
<b>Moss Curled Early Summer</b> , used for salads same as winter varieties...	15	50	1 50

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July, from which plantations are formed at one foot apart each way in August and September. It requires no especial soil or manure, and after planting is kept clear of weeds until the plant has attained its full size, when the process of blanching begins. This is effective by gathering up the leaves and tying them by their tips in a conical form with bass matting. This excludes the light and air from the inner leaves, which in the course of three to six weeks, according to the temperature at the time, become blanched. Another and simpler method consists in covering up the plants as they grow, with slats or boards, which serves the same purpose by excluding the light as the tying up.



Green Curled Endive

**EGG PLANT.**German, *Eierpflanze*; French, *Aupergine*; Spanish, *Berenfiena*.

Pearl White Egg Plant.

	Per oz.	Qr. lb.	Per lb.
<b>Pearl White</b> , very fine grain and well flavored . . . per pkt. 10c.....	\$0 30	\$0 85	\$3 00
<b>New York Improved</b> , a superior market variety of large size and fine quality.....	50	1 50	5 00
<b>Early Long Purple</b> , early, of easy culture, hardy; productive; excellent for table.....	20	60	2 00
<b>Early Dwarf Purple</b> , medium size.....	30	85	3 00
<b>Black Pekin</b> , a fine variety, bearing large round, deep purple fruits, fine grained and of superior quality..	30	85	3 00

The Egg Plant is a tender vegetable, and must not be planted out until the weather is warm and settled. Sow early in spring in hotbeds, or if these are not convenient, sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or boxes in the house. Plant out early in June from two to three feet apart.



**KALE.**German, *Blatter-Kohl*; French, *Chou Vert*; Spanish, *Breton*.

- ✓ **Siberian German Greens or "Sprouts."** Per oz. Qr. lb. Per lb.  
 This variety is extensively used for early greens, for which it is sown in the Fall, in rows one foot apart, and treated in the same manner as Spinach; it is ready for use in early Spring. Sowing can also be made in Spring. . . . \$0 10 \$0 20 \$0 50
- ✓ **Dwarf Green Curled Scotch,** a beautifully fringed, dwarf growing kind, with bright green leaves. . . 10 20 60
- ✓ **Tall Green Curled Scotch,** tall growing, very hardy variety, leaves a bright green, beautifully curled. . . 10 25 75
- ✓ **Tall Brown German Curled,** a very hardy and useful variety. . . . . 20 50 1 50
- ✓ **Dwarf Brown German Curled,** . . . . . 15 40 1 25



Kale may be grown in almost any soil, but the richer it is the more abundant the product. Sow early in Spring, in prepared beds, covering the seeds thinly and evenly; transplant in June, and treat in the same manner as for Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and would be much more extensively grown than it is if its excellent qualities were generally known. The varieties are all extremely hardy, and are best when touched by frost.

**SEA-KALE.**German, *Seekohl*, *Meerkohl*; French, *Crambe Maritime*; Spanish, *Breton de Mar*.

- ✓ **Sea-Kale Seeds,** very much like Celery. . . . . Per oz. Qr. lb. Per lb.  
 \$0 25 \$0 75 \$2 50

Cultivated for its blanched shoots, which are cooked in the same way as Asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep in drills two feet apart; thin out to six inches, and the next spring plant in hills three feet apart, three plants in each.

**KOHL-RABI.**German, *Kohl-Rabi*; French, *Chou Rave*; Spanish, *Colinabo*.

Early Vienna  
Kohl-Rabi.

- Per oz. Qr. lb. Per lb.  
 ✓ **Early White Vienna,** flesh white and tender; best market sort; good for table use. . . . . \$0 25 \$0 75 \$2 25
- ✓ **Early Purple Vienna,** differing from the above in color, which is of a bluish purple. . . . . 25 75 2 25

Kohl-Rabi, or Turnip-stemmed Cabbage, is a vegetable that is not so much cultivated as it deserves to be. The stem above the ground swells into a bulb somewhat resembling a Turnip; this again is crowned with leaves. The edible part is the bulb, which is dressed and served like turnip, and is very delicate and tender when young. It is very hardy withstands severe drought, and is a good keeper. Cultivate the same as Cabbage, but in hoeing be careful not to throw dirt into the heart of the plant, or the bulb cannot form.

**LEEK.**German, *Lauch*; French, *Poireau*; Spanish, *Puerro*.

- Per oz. Qr. lb. Per lb.  
 ✓ **Large American Flag,** the kind mostly grown for market. . . . . \$0 20 \$0 40 \$1 25
- ✓ **Large Carentan,** a large-growing French variety of excellent quality. . . . . 20 50 1 50
- ✓ **Large Rouen,** very large and fine. . . . . 20 40 1 25

The Leek is very hardy and easily cultivated; it succeeds best in a light, but well enriched soil. Sow as early in the spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way, as deep as possible; that the neck, being covered, may be blanched. If fine Leeks are desired, the ground can hardly be made too rich.



Flag Leek.



## LETTUCE.

German, *Laitich Sala*; French, *Laitue*; Spanish, *Lechuga*.



	Per oz.	Qr. lb.	Per lb.
✓ <b>Thornburn's Maximum.</b> Large and solid: heat resisting.....	\$0 15	\$0 35	\$1 25
✓ <b>Thornburn Market Garden,</b> private stock solid large head....	15	35	1 25
✓ <b>Selected Buttercup,</b> yellow, solid heads, for outdoor forcing.....	20	50	1 50
✓ <b>Big Boston,</b> similar to Boston Market, double this size.....	20	50	1 50
✓ <b>Grand Rapids Forcing,</b> large, tender heads.....	15	30	1 00
✓ <b>Early Curled Simpson,</b> very early and an excellent sort for forcing; is largely grown by the market gardeners.....	10	30	1 00

### Maximum Lettuce.

✓ <b>California,</b> all heart, new variety, solid head, light green color.....	15	35	1 25
✓ <b>Denver Market,</b> for forcing or open ground; large solid heads.....	15	30	1 00
✓ <b>Tennis Ball,</b> (black seeded), well-formed heads, hardy and crisp; one of the earliest of the heading varieties.....	15	30	1 00
✓ <b>Tennis Ball or Boston,</b> (white seeded), grows very compact, white and crisp; one of the best for forcing or the open ground.....	15	30	1 00
✓ <b>Salamander Head,</b> fine, compact head, resists heat.....	15	35	1 25
✓ <b>Black-Seeded Butter,</b> fine market strain.....	20	50	1 50
✓ <b>Large White Cabbage,</b> excellent for summer; heads of good size.....	20	50	1 50
✓ <b>Black-Seeded Simpson,</b> stands the summer well.....	15	35	1 25
✓ <b>Gray Seeded Butter,</b> one of the best large heads.....	15	30	1 00
✓ <b>Shotwell's Brown Head,</b> large and handsome.....	20	50	1 50
✓ <b>Trianon Cos,</b> the best of the Cos variety.....	15	35	1 25
✓ <b>American Gathering,</b> a distinct and valuable variety of excellent quality..	15	30	1 00
✓ <b>White Cos Romaine.</b> Sow early; tie up to blanch.....	20	50	1 50
✓ <b>New York Cabbage,</b> large, solid heads; inside white.....	15	35	1 25

Lettuce is the most popular of all salads. Boiled, it is quite equal to Spinach, and it is also sometimes used in soups. It is easy of cultivation, but likes a good rich soil. For early use, sow Simpson and Tennis Ball under glass in February and March, and transplant as soon as the ground can be worked. Later sowing may be made in the open ground for succession as long as the weather permits; thin out well, or the plants will be weak, and set in rows two feet apart and eight inches between the plants. The best early plants are obtained by sowing in the open ground in September, and transplanting to cold frames the latter part of October, being wintered over in the same manner as early Cabbage. Lettuce requires good ground and abundant moisture.

## MARTYNIA.

A strong-growing annual plant, bearing curiously shaped seed pods, which when young and tender, make excellent pickles. Sow in the open ground in May, and thin out the plants to two or three feet apart, or a few seeds may be sown in a hotbed and afterwards transplanted. Per oz., 25c.; Qr. lb., 75c.; lb., \$2 50.

## MELON MUSK.

German, *Melone*; French, *Melon*; Spanish, *Melon Muscatel*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Paul Rose.</b> Handsome, oval, orange flesh, sweet.....	\$0 15	\$0 30	\$1 00
✓ <b>Livingston's Tip Top.</b> Very sweet.....	15	30	1 00
✓ <b>Long Island Beauty,</b> similar to Hackensack; very early.....	25	75	2 50
✓ <b>Winter Pineapple,</b> flesh light green color, flavor of pineapple, does not ripen on the vine.....	20	50	1 50
✓ <b>The Banquet,</b> color of flesh dark, rich salmon.....	15	30	1 00
✓ (5) <b>Miller's Cream, or Osage,</b> flesh a salmon color and very thick.....	15	35	1 25
✓ <b>Golden Netted Gem,</b> early small, fine flavor.....	15	30	1 00
✓ (3) <b>Hackensack,</b> variety of Green Citron, well known among the New York market gardeners, grows to a very large size, productive, exquisite flavor.....	20	50	1 50
✓ <b>Montreal Market,</b> green flesh, very thick; fine flavor.....	25	75	2 50



**MUSKMELON—Continued.**

✓ **Baltimore Market**, oblong; orange flesh. Per oz., 20 cts.; qr. lb., 50 cts.; per lb., \$1.50.

✓ (4) **Delmonico**, oval, deeply netted; orange flesh. Per oz., 20 cts.; qr. lb., 50 cts.; per lb., \$1.50.

✓ **Orange Christina**, very clear, excellent sort; green, with yellow flesh. Per oz., 25 cts.; qr. lb., 75 cts.; per lb., \$2.50.

✓ **Bay View**, a new green-flesh variety of large size and superior quality. Per oz., 20 cts.; qr. lb., 50 cts.; per lb., \$1.75.

*Muskmelons.*

	Per oz.	Qr. lb.	Per lb.
✓ (1) <b>Jenny Lind</b> , a very early kind, of small size, but delicious flavor.....	\$0 15	\$0 35	\$1 25
✓ <b>White Japan</b> , size medium and nearly round; skin cream-white and very thin; flesh pale green; early and sweet.....	15	30	1 00
✓ (2) <b>Long Yellow Cantaloupe</b> , yellow flesh; suitable for the work.....	20	50	1 50
✓ <b>Pomegranate</b> , for perfume. Not edible.....	20	50	1 50
✓ <b>Rocky Ford</b> , very sweet; fine flavored, small and oblong.....	15	30	1 00

Melons thrive best in a moderately enriched live soil; the hills should be six feet apart each way. Previous to planting incorporate well with the soil in each hill a couple of shovelfuls of thoroughly rotted manure; plant twelve or fifteen seeds in each hill early in May, and when well up, thin out to three or four of the most promising. Pinch off the leading shoots as the growth become too luxuriant, and if the fruit sets too numerously, thin out when young, which will increase the size of those remaining, and cause them to ripen quicker.

*Paul Rose Melon.***MELON, WATER.**

German, *Wassermelone*; French, *Melon d' Eau*; Spanish, *Zandia*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Ruby Gold</b> , flesh yellow and red.....	\$0 10	\$0 25	\$0 75
✓ <b>Kolb's Gem</b> , nearly round, dark green.....	10	20	60
✓ <b>Seminole</b> , a new early variety. Long striped sort.....	10	20	60
✓ <b>Pride of Georgia</b> , dark green, oval in shape; crisp and sweet; very large.....	10	25	75
✓ <b>Scaly Bark</b> , thin rind; flesh light crimson.....	10	20	60
✓ <b>Mountain sweet</b> , one of the very best for general culture; color dark green; rind thin; flesh scarlet, solid, very sweet and delicious.....	10	20	60
✓ <b>Black Spanish</b> , shape round, rather small; skin dark green; flesh red, sweet and rich.....	10	20	60
✓ <b>Phinney's Early</b> , flesh deep red, of a very superior quality; a valuable early market variety.....	10	20	60
✓ <b>Cuban Queen</b> , solid and heavy.....	10	20	60



**MELON, WATER—Continued.**

	Per oz.	Qr. lb.	Per lb.
✓ <b>Ice Cream</b> , ( <i>white seeded</i> ), fruit of medium size, nearly round; skin pale green; rind thin; flesh scarlet, solid crisp, excellent.....	\$0 10	\$0 20	\$0 60
✓ <b>Rattlesnake</b> , very large, striped, red flesh variety.....	10	25	75
✓ <b>Citron</b> , round, handsome fruit of small size, and used in the making of sweetmeats and preserves.....	10	25	75
✓ <b>Volga</b> , pale green; red flesh.....	10	25	75
✓ <b>Mammoth Iron-Clad</b> , long and large; thin skin, deep red flesh.....	10	25	75
✓ <b>The "Boss,"</b> oblong; dark green.....	10	25	75

Plant in hill as directed for Muskmelons, giving them more room, as their vines extend much farther. If they are wanted of a large size, three or four melons to each plant will be sufficient, and when only one is allowed to grow from each plant they will grow to an immense size.

**MUSTARD.**

German, *Senf*; French, *Moutarde*; Spanish, *Mostaga*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>White London</b> , best for salads.....	\$0 05	\$0 10	\$0 25
✓ <b>Black</b> , used for cooking and for salads.....	05	10	25

Mustard in the green state is a refreshing salad, mixed with Cress, Lettuce, or other salad plants. It is necessary to make frequent sowings of it, as it should be cut and used in a very young state, even before the first rough leaf has appeared. The seed should be sown thickly in light soil, the surface of which should be made very smooth. The seed should be pressed into the soil with the back of a clean spade, and should then be watered through the fine rose of a watering pot, without having any soil placed upon it; but the bed should be covered for a few days with a piece of cloth or mat, and in the course of six or eight days the Mustard will be fit for use, and should be cut close to the surface of the soil with a sharp knife; and no soil having been placed over the seeds, it will be found clean and free from grit.

**MUSHROOMS.**

German, *Champignonbrut*; French, *Champignon*; Spanish, *Hongo*.

✓ <b>Imported English Spawn</b> .....	15c. per lb.; 10 lbs., \$1.00; 100 lbs., \$9.00
✓ <b>Imported French Spawn</b> .....	3 lb. box, \$1.20

Mushrooms should be grown either in a building especially erected for the purpose or some shed, stable or cellar, where a temperature of from 40 to 60 degrees can be kept up in winter. To every barrow load of fresh horse droppings add about the same weight of loam or soil of any kind that has not been manured. Turn the heap every day, so that it is not allowed to heat violently, until you have quantity enough to form a bed of the dimensions required. Be careful that your heap is under cover, so that it can not possibly get wet.

The most convenient size for a bed is from three to four feet long and eight inches deep.

Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of a spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, into which put pieces of the spawn, two or three inches in diameter; fill up the holes with the compost and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Now spread a layer of fresh soil over the heap to the depth of two inches, firm it down moderately, and cover with three or four inches of hay or straw. Examine the bed often to see that it does not get dry. When water is given it should be at a temperature of about 100 degrees.



*Mushrooms.*

**NASTURTIIUM.**

German, *Nasturtium*; French, *Capucine*; Spanish, *Maramuela*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Tall Scarlet</b> ,.....	\$0 15	\$0 30	\$0 75
✓ <b>Tall Yellow</b> ,.....	15	30	75
✓ <b>Tall Nasturtium, Mixed</b> ,.....	10	25	75
✓ <b>Dwarf Nasturtium, Mixed</b> ,.....	10	30	1 00

Cultivate both for use and ornament; the green seed pods preserved in vinegar make an excellent pickle. The young leaves are also useful in salads. Its beautiful scarlet and orange-color flowers, which bloom freely all summer, add a charm to the garden.



## ONION.

German, *Zweibel*; French, *Wignon*; Spanish, *Cebolla*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Early Red</b> , flat; about ten days earlier than the Large Red, and not quite so large.....	\$0 15	\$0 40	\$1 00
✓ <b>Large Red Wethersfield</b> , the staple variety of the Eastern onion growers; of large size, deep in color, and a good keeper.....	15	35	1 10
✓ <b>Yellow Globe Danvers</b> , an excellent variety; mild flavored and very productive; ripens early and a good keeper.....	15	40	1 00
✓ <b>White Portugal, or Silver Skin</b> , a handsome onion of mild flavor; extensively grown for pickling..	20	60	2 00
✓ <b>Griswold's Medium Early Red Globe</b> , about two weeks earlier than South port Red Globe .....	15	40	1 25
✓ <b>Southport Red Globe</b> , similar to the Large Red in color and flavor, but quite distinct in form being nearly globular.....	15	50	1 50
✓ <b>Southport White Globe</b> , form nearly ovoid, symmetrical, keeps well, is an excellent variety.....	20	60	2 00
✓ <b>Southport Yellow Globe</b> , same as the above, except in color.....	15	50	1 25
✓ <b>White Flat Bermuda</b> . Very early	30	75	2 50
✓ <b>Red Flat Bermuda</b> . Very early..	25	75	2 00

*Yellow Globe Danvers Onion.*

## Italian Varieties.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Adriatic Barletta</b> , white, new variety, fully two weeks earlier than the Queen.....	\$0 20	\$0 60	\$2 00
✓ <b>Early Queen</b> , an excellent variety; very early, a good keeper and mild flavor.....	20	60	2 00
✓ <b>Giant Rocca</b> , a splendid large variety from Naples, of globular shape, bright brown skin and delicate flavor.....	15	40	1 25

*Barletta Onion.*

The Onion thrives best in a rather strong, deep, rich, loamy soil, and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The ground should be deeply trenched and manured the previous autumn, and laid up in ridges during the winter to soften. As early in spring as the ground is in working order, commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and one foot apart; cover with fine soil and press down with the back of a spade or a light roller. When the young plants are strong enough, thin gradually, so that they stand three or four inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply nor to collect it about the growing bulbs.



ONION SETS.



Potato Onion Sets.

	Per Qt.	½ pk.	Per pk.	Per bu.
White Onion Sets.....	\$0 25	\$0 75	\$1 25	\$3 50
Yellow Onion Sets.....	20	60	1 00	3 00
Red Onion Sets.....	20	60	1 00	3 00
Potato Onions.....	25	75	1 25	
Shallots.....	25	75	1 25	
Red Top Onions.....	25	75	1 25	

OKRA, or GUMBO.

German, *Essbarer Safran*; French, *Gombo*; Spanish, *Quibombo*.



Dwarf Green Okra.

	Per oz.	¼ lb.	Per lb.
✓ <b>Improved Dwarf White</b> , long slender pods, very productive and only 14 in. high..	\$0 10	\$0 20	\$0 50
✓ <b>Dwarf Green</b> , early and productive.....	10	20	50
✓ <b>Long Green</b> , fine long pods, very good....	10	20	40

The pods in a young state are used in soups, sauces and stews, and are very wholesome and nutritious. It is of the easiest culture and grows freely, bearing abundantly when grown in ordinary garden soil. It is sown at the usual time of all tender vegetables in drills two inches deep, setting the plants from two to three feet apart.

PARSLEY.

German, *Petersilie*; French, *Persil*; Spanish, *Perjil*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Extra Double Curled</b> , a fine dwarf variety, excellent for garnishing.....	\$0 10	\$0 20	\$0 60
✓ <b>Fern Leaved</b> , the most beautiful form of Parsley, resembling crested fern or moss in its growth.....	10	25	75
✓ <b>Plain</b> , leaves plain, hardier than the curled variety.....	10	20	40
✓ <b>Hamburg, or Rooted</b> , the roots are for flavoring soups, etc.....	10	20	60
✓ <b>Moss Curled</b> ,.....	10	20	50

Should be sown very early in spring, in beds or in lines, and the seeds, which are somewhat slow to vegetate, should be previously soaked 24 hours in warm water. The soil should be kept free from weeds, which should be extracted by the hand, so as to avoid disturbance to the seeds when about to germinate. As soon as the plants are large enough they should be thinned out so as to stand five or six inches apart.



Moss Curled Parsley.

PARSNIPS.

German, *Pastinake*; French, *Panais*; Spanish, *Chirivia*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Guernsey or Cup</b> , leading variety....	\$0 10	\$0 20	\$0 40
✓ <b>Long, Smooth or Hollow Crown</b> long roots.....	10	20	40
✓ <b>Long White</b> , standard variety.....	10	20	40



## PARSNIPS—Continued.

Parsnips are largely used both as a garden vegetable and for the farm. They are very nutritious, and cattle fed upon them fatten rapidly; while in cows they produce a larger yield of milk, having a rich color and affording butter of excellent quality. They succeed best in a deep rich soil that has been well manured the previous season, as manure freshly applied tends to the production of forked and ill-shaped roots. Sow the seed early in spring in drills eighteen inches apart in the garden, and three feet apart in the field, and thin the plants to six inches in the drill.

## PEAS.

German, *Erbse*; French, *Pois*; Spanish, *Guisantes*.

### Extra Early Varieties.

	Per Qt.	½ pk.	Per pk.	Per bu.
✓ <b>Gradus</b> , earliest large-podded Pea in cultivation.....	\$0 50	\$1 75	\$3 25	\$12 00
✓ <b>Allan's Sunol</b> , very early and productive, height 2½ feet.....	35	1 00	1 75	6 50
✓ <b>Nott's Excelsior</b> , extra early dwarf wrinkled, pods larger than American Wonder, 1 foot.....	35	1 25	2 00	7 50
✓ <b>American Wonder</b> , earliest wrinkled variety, 2½ ft.....	35	1 25	2 00	7 50
✓ <b>Alaska</b> , very early and retain their color well.....	25	75	1 25	4 50
✓ <b>Earliest of All</b> , earliest Blue Marrow now offered.....	30	85	1 50	5 50
✓ <b>First and Best</b> , a very fine early variety, 3 feet.....	30	85	1 50	5 50
✓ <b>Improved Daniel O'Rourke</b> , a favorite early variety, 2½ feet.....	30	85	1 50	5 50
✓ <b>Philadelphia</b> , resembling First and Best, 3 ft.....	30	85	1 50	5 50
✓ <b>Little Gem</b> , a dwarf green wrinkled Marrow, very prolific, of superior flavor, and a first early. 1 foot.....	30	1 00	1 75	6 00
✓ <b>Premium Gem</b> , very early, well filled pods, one foot high.....	30	1 00	1 75	6 00
✓ <b>Alpha</b> , extra early blue wrinkled Marrow Pea of fine quality, and very prolific, pods large and well filled, 3 feet.....	30	1 00	1 75	6 50
✓ <b>Blue Peter</b> , an excellent dwarf and a very early variety, 1½ feet.....	30	85	1 50	5 00

### Second Early Varieties.

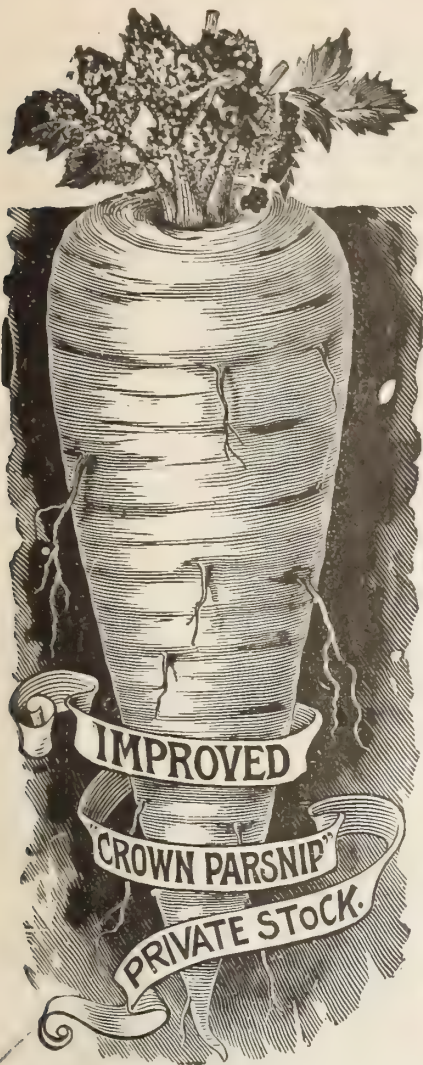
	Per qt.	½ pk.	Per pk.	Per bu.
✓ <b>Heroine Medium Early</b> , green wrinkled.....	30	85	1 50	5 00
✓ <b>Everbearing</b> , good-size pea, long pod.....	25	75	1 25	4 50
✓ <b>McLean's Advancer</b> , early green wrinkled varieties, delicious flavor, 2 feet..	\$0 25	\$0 75	\$1 25	\$4 50
✓ <b>Prince of Wales Heavy Cropper</b> , fine flavor.....	30	85	1 50	5 00
✓ <b>Pride of the Market</b> , very large pod, green peas, sow thin.....	30	85	1 50	5 50
✓ <b>Yorkshire Hero or Dwarf Champion</b> , 2½ feet.....	25	75	1 25	4 50
✓ <b>Abundance</b> , 18 inches high, 6 to 8 peas in pod, large and wrinkled.....	25	75	1 25	4 50

### General Crop.

	Per qt.	½ pk.	Per pk.	Per bu.
✓ <b>Champion of England</b> , one of the best and most popular Peas, 5 feet.....	25	75	1 25	4 00
✓ <b>Tall Sugar</b> , edible pods, a fine flavored variety, can be used in the green state like string beans.....	35	1 25	2 00	7 00
✓ <b>Mam Grey Sugar</b> , edible pods.....	35	1 25	2 25	8 00
✓ <b>Carter's Telephone</b> .....	30	1 00	1 75	6 00
✓ <b>Black-Eyed Marrowfat</b> , grown for market, hardy, productive, 4 feet.....	20	60	1 00	3 0
✓ <b>White Marrowfat</b> , an old and favorite sort for market 4 feet.....	20	60	1 00	3 00
✓ <b>Telegraph</b> , large pods and peas.....	30	85	1 50	5 50
✓ <b>Carter's Stratagem</b> , mammoth pods, well filled.....	30	85	1 50	5 50
✓ <b>St. Disirat</b> , melting sugar, edible pod; New. Pkg., 10c.; pt., 40c.; qt., 75c.				



Allan's Sunol.





## PEAS—Continued.

Peas come earlier to maturity in light rich soil. For general crop a deep rich loam, or strong loam, inclining to clay, is best. For early crops decomposed leaves or leaf mould should be used, or if the soil is very poor, strong manure may be employed. For general crops a good dressing should be applied, and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, Peas are not staked, but sown in single rows, two or three inches deep, two to three feet apart, according to the variety. When grown in small quantities, for private use, they are generally sown in double rows six or eight inches apart and the rows three feet apart, the tall varieties staked up by bush. For an early crop, sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. A quart is sufficient for a row of about eighty feet.



## PEPPER.

German, *Pfeffer*; French, *Piment*; Spanish, *Pimiento*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Ruby King</b> , very large and bright red..	\$0 20	\$0 60	\$2 00
✓ <b>Sweet Spanish</b> , one of the largest, mild and pleasant, best for salads.....	20	60	2 00
✓ <b>Large Bell, or Bull Nose</b> , an early variety of mild flavor.....	20	60	2 00
✓ <b>Sweet Mountain, or Mammoth</b> , of large size, best for mangoes....	20	60	2 00
✓ <b>Squash, or Tomato Shaped</b> , very productive, the leading market variety..	25	75	2 50
✓ <b>Long Red Cayenne</b> , used for pepper sauces; very pungent.....	20	60	2 25
✓ <b>Long Yellow Cayenne</b> , similar to Long Red, except in color.....	30	80	3 00
✓ <b>Cardinal</b> , mild, thick fleshed, new.....	25	75	2 50
✓ <b>Chili</b> , very piquant and prolific; fruit conical; bright scarlet.....	25	75	2 50
✓ <b>Cherry Red</b> , very ornamental variety; a rich glossy scarlet; piquant.....	25	75	2 50
✓ <b>Oxheart</b> , heart shaped, very fine, excellent for pickling.....	25	75	2 50
✓ <b>Golden Dawn Mango</b> . This is a remarkably prolific Pepper of the Bell class, and of a magnificent golden color.....	25	75	2 50
✓ <b>Giant Emperor</b> . This sort bears scarlet fruit six inches long and a quarter of an inch thick.....	25	75	2 50

The pepper or capsicum is valuable for its seasoning qualities, as well as for pickling. Sow early in heat and transplant when the weather is warm and settled; or sow in warm situation in the garden about middle of May. Plants should be set a foot and a half apart.

## POTATO.

German, *Kartoffel*; French, *Pomme de Terre*; Spanish, *Patata*.



*Houlton Rose and Hebron Potatoes—Planted in Rows.*



**POTATO—Continued.**

**Houlton Early Maine.** Early and good yielder .....

**Houlton Bliss Triumph,** red skin, very early and productive.....

**Houlton Hebron,** white skin, the most popular variety in cultivation.....

**Houlton Rose.** The Standard Variety. Our specialties.....

**Houlton Pearl of Savoy,** very early, cross between Clark No. 1 and early Vermont.....

**Houlton Early Queen.** Early and productive.....

**Houlton Green Mountain,** late variety, good keeper, white and mealy.....

Prices on  
application.

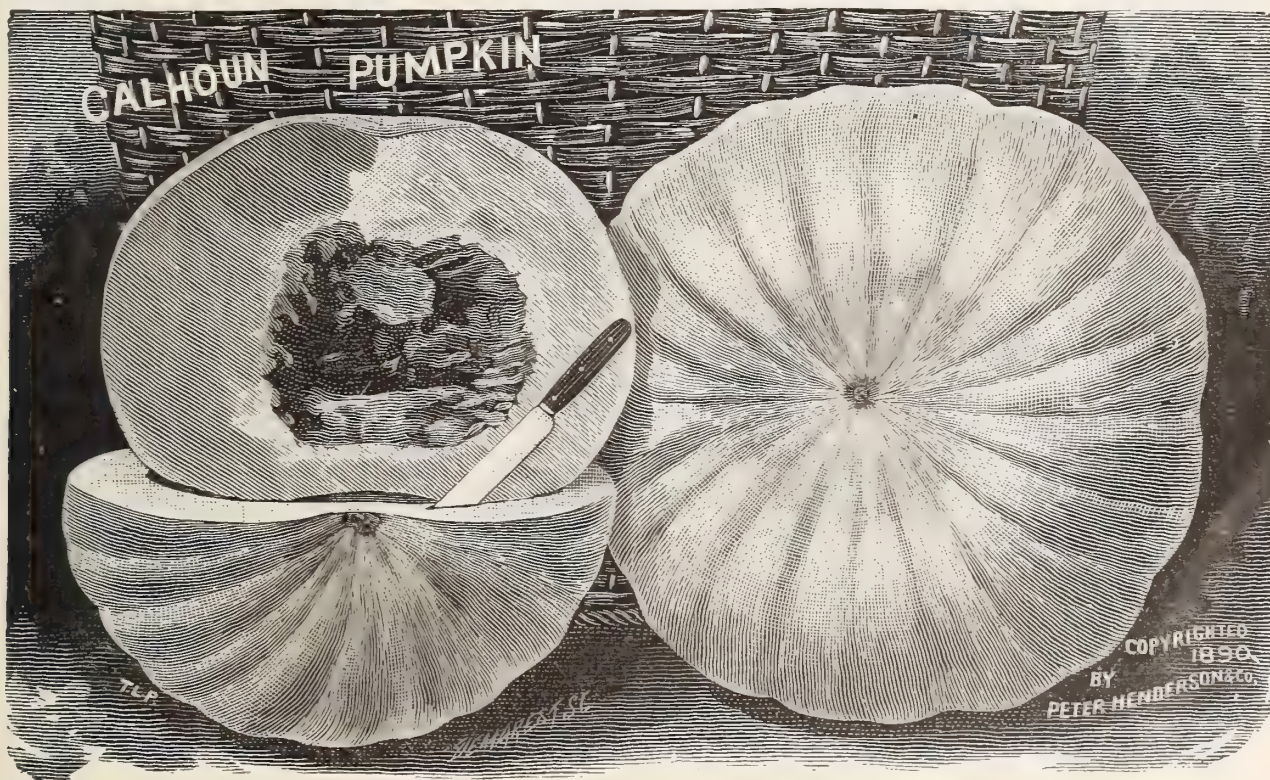
The foregoing varieties are grown for us at Houlton, Aroostook Co., Me., are the choicest stock ever offered. Coming from the extreme northern part of Maine, and raised without the aid of manure, causes them to have very strong eyes and to be hardy and very smooth. Productiveness unsurpassed. The following are raised for us in Washington County, northern New York:

	Per bu.	Per bbl.
<b>Thorburn,</b> very early, very productive.....	\$2 50	\$4 50
<b>Rural New Yorker,</b> No. 2.....	2 25	4 00
<b>Early Ohio,</b> a seedling of the Early Rose, ripening a week earlier, productive.....	2 25	4 00

**PUMPKIN.**

German, *Kuerbis*; French, *Courge*; Spanish, *Calabaza Totanera*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Colhoun,</b> flesh wonderfully thick and fine grained, cooks very yellow.....	\$0 10	\$0 25	\$0 75
✓ <b>Large Cheese,</b> the best variety, hardy and productive.....	10	20	60
✓ <b>Connecticut Field,</b> qery productive, largely grown for feeding stock. 20c per qt.; per bush. \$3.00.			
✓ <b>Mammoth King,</b> grows to an immense size .....	15	50	1 50
✓ <b>Sugar Pumpkin</b> .....	10	25	75
✓ <b>Cushaw,</b> salmon color, crooked neck.....	10	25	75
✓ <b>Mammoth Tours,</b> very large .....	10	25	75



These are usually planted in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow in May, in hills eight feet apart.

**RADISH.**

German, *Retting*; French, *Radis*; Spanish, *Robanitos*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Vick's Scarlet Globe,</b> new, very fine.....	\$0 10	\$0 20	\$0 50
✓ <b>Early Scarlet Turnip,</b> the standard variety; of quick growth, mild and crisp when young.....	10	20	50
✓ <b>Early Scarlet Turnip Forcing Variety,</b> maturing in three weeks.....	10	20	60
✓ <b>Early Scarlet Turnip, White Tipped,</b> a beautiful new early kind, round in shape; color scarlet, tipped with white, a favorite for market gardeners.....	10	20	50



**RADISH—Continued.**

	Per oz.	Qr. lb.	Per lb.
✓ <b>Early Scarlet Turnip</b> , white tip, forcing.....	\$0 10	\$0 20	\$0 60
✓ <b>Olive Shape Deep Scarlet</b> .....	10	20	60
✓ <b>French Breakfast</b> , of quick growth, very mild and tender, of oval form, color scarlet, tipped with white.....	10	20	60
✓ <b>Long Scarlet</b> , one of the leading market kinds.....	10	20	50
✓ <b>White Turnip</b> , a Summer variety of mild flavor.....	10	20	60
✓ <b>Yellow Summer Turnip</b> , grows to a large size.....	10	20	60
✓ <b>Rose China Winter</b> , flesh firm and piquant; excellent for Winter use.....	10	20	50
✓ <b>Black Spanish Winter, long</b> , one of the hardiest and best for Winter use..	10	20	50
✓ <b>Black Spanish Winter, round</b> .....	10	20	50
✓ <b>Giant Stuttgart</b> , Summer favorite, German sort.....	10	20	60
✓ <b>California Mammoth White</b> , a giant white-fleshed Fall Radish.....	10	20	60
✓ <b>Long White Naples</b> , flesh white, crisp, and mild.....	10	20	60
✓ <b>White Spanish, long</b> , rather milder than Black.....	10	20	60
✓ <b>White Strasburg</b> , very large, German sort.....	10	20	60



Scarlet, White Tip Radish

There are two classes of Radishes, those for Spring and Summer use, which are small and arrive quickly at maturity, and those for Winter use, which are large and mature slowly, and with proper care can be kept all Winter. The Summer Radishes should be used while young and tender; if allowed to grow too long they become tough and stringy; they thrive best in a light, rich soil. For a successive supply, sow from the middle of March until September, at intervals of two or three weeks. For an early supply, they may be sown on a mild hotbed in February. The Winter varieties may be sown from the latter part of July to the middle of September.

**RHUBARB.**

German, *Rabarber*; French, *Rhuberbe*; Spanish, *Ruibarbo*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Linnæus</b> , early, large and tender.....	\$0 20	\$0 50	\$1 50
✓ <b>Victoria</b> , very large, later than Linnæus.....	20	50	1 50
✓ <b>Roots</b> .....	15 cts. each,	\$1.50 per doz.	

Sow early in Spring, in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high. In Fall or following Spring, transplant into deep, rich soil, about three feet apart each way.

**SPINACH.**

German, *Spinat*; French, *Spinard*; Spanish, *Espinaca*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Long Standing, Round Leaved</b> .....	\$0 10	\$0 15	\$0 35
✓ <b>Flander's Round Leaved</b> , the variety commonly grown, good for Spring or Fall sowing.....	10	15	35
✓ <b>Large Variflay</b> , a new variety, with leaves much larger and thicker than the old variety.....	10	15	35
✓ <b>Victoria New</b> , dark green color, sow early.....	10	15	35
✓ <b>Savoy Leaved</b> , a large, curled, thick leaved variety, the market gardener's favorite.....	10	15	35
✓ <b>Prickly</b> , prickly seeded, with triangular arrow-shaped leaves.....	10	15	35
✓ <b>New Zealand</b> , produces leaves in great abundance throughout the Summer, should be raised in heat and transplanted three feet apart each way into light rich soil....	10	30	90

Sow in Fall for Spring use, in drills a foot apart, thinning out the plants to three inches apart in the rows. Spinach is very hardy and does not require protection except in very exposed places, where a covering of straw or leaves is useful. For Summer use sow as early as possible in Spring, and at frequent intervals during the season for succession.

**SALSIFY, or OYSTER PLANT.**

German, *Bocksbart*; French, *Salsifis*; Spanish, *Salsifi*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Long White French</b> .....	\$0 10	\$0 30	\$0 90
✓ <b>Mammoth Sandwich Island</b> .....	15	40	1 25



This very nutritious vegetable requires the same cultivation as Carrots or Parsnips. It is quite hardy and the roots may remain in the ground all Winter; a quantity can be taken up and packed in earth or sand, and stored away for use when needed. It makes a fine soup, like the oyster. It is also half-boiled, grated fine, made into small balls, dipped into butter, and fried.

## SCORZONERA—Black Oyster Plant.

German, *Schwarzwurzel*; French, *Scourge*; Spanish, *Escorzonera*,

This vegetable requires the same treatment as Salsify, which it nearly resembles.

Per oz., 20c.; Qr. lb., 60c.; Per lb., \$2.00

## SQUASH.

German, *Garten Kuerbiss*; French, *Courge*; Spanish, *Calabaza Bonetera*.



*Salsify.*

	Per oz.	Qr. lb.	Per lb.
✓ <b>Faxon</b> , medium size, orange flesh, and early .....	\$0 10	\$0 30	\$0 90
✓ <b>Mammoth Summer Crook Neck</b> , twice size of Summer Crook Neck .....	10	20	60
✓ <b>Fordhook Squash</b> , bright yellow, good keeper .....	15	40	1 25
✓ <b>The Sibley</b> , solid, thick, brilliant orange in color .....	15	40	1 25
✓ <b>Early Golden Bush Scallop</b> , early, excellent for shipping .....	10	25	75
✓ <b>Early White Bush Scalloped</b> , a white variety of the above .....	10	25	75
✓ <b>Summer Crook Neck</b> , early, productive, and of good quality .....	10	25	75
✓ <b>Canada Winter Crook Neck</b> , flesh close grained, sweet and fine flavored .....	10	25	75
✓ <b>Green Striped Bush</b> , white with green stripes .....	10	25	75
✓ <b>Boston Marrow</b> , a very valuable medium early variety, an excellent keeper and of superior quality .....	10	25	80
✓ <b>Hubbard</b> , the best Winter Squash, fine grained, dry, keeps well, and is of excellent flavor .....	15	40	1 25
✓ <b>Pineapple</b> , white skin and flavor .....	10	20	60
✓ <b>Marble Head</b> , a superior Winter variety, large, productive, fine grained and sweet .....	10	30	90
✓ <b>Butman</b> , a superior new Winter variety, very dry, fine grained and productive, excellent flavor, keeps well .....	10	25	75
✓ <b>Turban</b> , flesh orange-yellow, excellent Fall Squash .....	15	40	1 25
✓ <b>Mammoth Chili</b> , grows to a large size, often weighing two hundred pounds, excellent for stock .....	15	50	1 50
✓ <b>Vegetable Marrow</b> , a favorite English sort, skin greenish yellow, flesh white, soft and rich flavor .....	10	20	60

Squashes are divided into two classes, Summer and Winter. The Summer varieties come into use about midsummer, and are eaten when the rind and flesh are young and tender. The Winter varieties are left on the vines until they are thoroughly ripe, gathered in the Fall, and stored away for Winter use. If well ripened and kept in a good cellar, they can be preserved until May. Prepare

hills for the seeds by incorporating two or three shovelfuls of well-rotted manure with the soil, for each hill. For the bush varieties, from three to four feet each way, and for the running sorts from six to eight feet. Eight or ten seeds should be sown to each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

## TOBACCO.

**Connecticut Seed Leaf.** This variety is best adapted to the

climate of the Northern and Middle States. .... Per oz., 20c. Qr.; lb., 50c.; Per lb., \$1.50

**Havana**, imported seed. Vuelto de Abajo. .... Per oz., 40c.; Qr. lb., \$1.50; Per lb., \$4.00

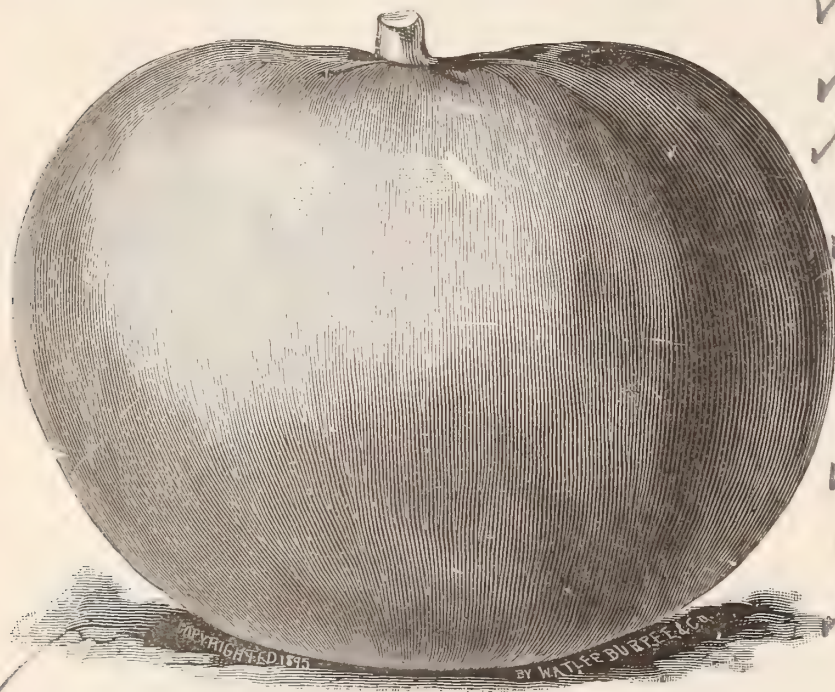


Tobacco seed may be started in a hotbed, or sown in the open ground, as early in Spring as the ground can be worked. Prepare a bed in rich dry ground, with a southern exposure; the bed should be burned over to kill the seeds of weeds and wild grasses, or they will spring up before the Tobacco plants and destroy them. After this is done, rake it off fine and sow the seed. A tablespoonful is sufficient for one hundred square yards. Sow broadcast, and hand roll, or press down the soil evenly and firmly. When the young plants appear, keep free from weeds and water frequently. If the weather is dry, set out about the first of June, in land that has been heavily manured. Tobacco thrives best in a light, rich, sandy or gravelly soil. Plant about three feet apart. Look out for the "Tobacco worm," which must be removed as fast as it appears, or it will quickly destroy the crop.

## TOMATO.

German, *Liebesapfel* ; French, *Tomote* ; Spanish, *Tomata*.

	Per oz.	Qr. lb.	Per lb.
✓ <b>Waldorf</b> , perfect shape, medium early, very productive.....	\$0 35	\$1 00	\$3 50
✓ <b>Livingston's Honor Bright</b> , solid, long keeping qualities .....	30	85	3 00
✓ <b>Imperial</b> , very smooth, bright red color, good size.....	25	75	2 50
✓ <b>New Buckeye State</b> , large size, similar to Livingstone's Beauty, little darker in color .....	30	85	3 00
✓ <b>Thornburn's Terra Cotta</b> , a cross between the Stone Peach and Ponderosa.....	25	75	2 50
✓ <b>Fordhook</b> , extra early, medium size.....	25	75	2 50
✓ <b>Thornburn's Lemon Blush</b> , skin and flesh bright lemon color.....	25	75	2 50
✓ <b>Ponderosa</b> , very large and solid.....	35	1 00	3 50
✓ <b>New Stone</b> , large and smooth.....	25	60	2 25
✓ <b>New Peach</b> , resembling a Peach, for preserves.....	40	1 25	4 00
✓ <b>Ignotum</b> , early, large and smooth.....	25	75	2 25
✓ <b>The Lorillard</b> , a cross between Acme and Perfection.....	40	1 25	4 0
✓ <b>Livingston's Beauty</b> , large, dark crimson, thick skin.....	25	75	2 50
✓ <b>Dwarf Champion</b> , resembles Acme early.....	30	85	3 00
✓ <b>Acme</b> , a beautiful variety, fruit of medium size, form perfect and very smooth, ripens all over and through at the same time. This variety seems to possess all the good qualities that can be desired in a Tomato.....	25	60	2 25
✓ <b>Trophy</b> , (selected), the leading variety for general cultivation, and when properly grown will give satisfaction. The seed we offer is carefully selected from pure stock.....	25	75	2 50
✓ <b>Essex Hybrid</b> , large, shining, very solid.....	25	75	2 50
✓ <b>Livingston's Perfection</b> , early, very prolific, good flavor and solid.....	25	60	2 25
✓ <b>Yellow Plum</b> , used principally for pickling.....	25	75	2 50
✓ <b>Red Pear Shaped</b> , used for preserving and pickling.....	25	60	2 25
✓ <b>Red Currant</b> , for preserves.....	30	85	3 00
✓ <b>Yellow Cherry</b> , similar to above except in color.....	25	75	2 50
✓ <b>Strawberry or Winter Cherry</b> , excellent for preserving, will keep all winter.....	25	75	2 50





The seed should be sown in a hotbed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high, they should be set out four or five inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. About the middle of May the plants may be set in the open ground, at a distance of three to four feet apart,

in hills in which a good shovelful of rotted manure has been mixed. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.

## TURNIP.

German, *Rube*; French, *Navet*; Spanish, *Nabo*.

	Per oz.	¼ lb.	Per lb.
✓ <b>Milan</b> (purple top), the earliest of all.....	\$0 10	\$0 20	\$0 60
✓ <b>Purple Top Munich</b> , one of the earliest varieties.....	10	20	50
✓ <b>Early White Flat Dutch</b> , an early garden variety of medium size.....	10	20	50
✓ <b>White Top Strap Leaf</b> , quick in growth, of excellent quality.....	10	20	50
✓ <b>Red Top Strap Leaf</b> . This and the preceding are the best two kinds for Spring sowing and for garden culture.....	10	20	50
✓ <b>Red Top White Globe</b> , very desirable, extensively grown for market.....	10	20	50
✓ <b>White Egg</b> , a new variety, beautiful shape, excellent table Turnip.....	10	20	50
✓ <b>Yellow Globe</b> , one of the best for general crop, either for table use or stock....	10	20	50
✓ <b>Yellow Stone</b> , a good globe-shaped Turnip, similar to the above.....	10	20	50
✓ <b>Golden Ball</b> , a table Turnip of quick growth and unsurpassed quality.....	10	20	50
✓ <b>Long White, or Cow Horn</b> , one of the best field Turnips, flesh fine grained.	10	20	50
✓ <b>Yellow Aberdeen</b> , hardy and productive, largely grown for farm purposes...	10	20	45
✓ <b>Large White Norfolk</b> , globe-shaped variety, one of the best for stock.....	10	20	45
✓ <b>Pomeranian White Globe</b> , very fine, white Globe variety, round and thick	10	20	45
✓ <b>German Teltow</b> , small, early, fine grade, sugary.....	15	20	60

## RUTA BAGAS.

✓ <b>American Improved Purple Top</b> , the leading variety, of fine quality, valuable both for the table and for feeding stock.....	10	20	50
✓ <b>Carter's Imperial Hardy Swede</b> , an English variety, highly recommended as producing enormous crop.....	10	20	60
✓ <b>Long White French</b> , an excellent sort either for table or stock.....	10	20	50
✓ <b>White, or Sweet German</b> , a large, solid variety.....	10	20	45
✓ <b>Shamrock</b> , very large and solid, one of our choicest varieties.....	10	20	50
✓ <b>Laing's Improved</b> , globe-shaped, with a small top and tap root.....	10	20	50
✓ <b>Skirving's</b> , an improved purple-topped variety of large size.....	10	20	50

For the Spring crop, commence sowing early varieties as soon as the ground can be worked, in drills fourteen inches apart; thin out the plants to five or six inches apart. Keep clear from weeds, and when the bottoms begin to enlarge, brush away the earth from about the roots to the depth of an inch or more, and give them a light dressing of wood ashes. This is the surest mode of obtaining fair and smooth Spring Turnips in old gardens, where they are almost certain to grow wormy if the earth is allowed to remain in contact with the roots. It is important to get them started very early, so that they may have time to grow of a sufficient size before very hot weather, when they will soon become tough and strong. For the Fall and main crop, sow from the middle of July to the last of August, in drills as directed for the Spring sowing. In the field, Turnips are more generally sown broadcast, though much larger crops are obtained by drill culture.

## SWEET POT AND MEDICINAL HERB SEEDS.

Herbs are valuable for culinary and medicinal purposes, but they do not always receive the attention which they deserve. They are easily grown, and when preserved by drying are ready for use at any season of the year. Sow in Spring as soon as the weather is warm, and thin out as the plants grow up; or the seeds may be sown under glass and the young plants afterwards transplanted to their respective beds. The perennial kinds should occasionally be divided and transplanted in Spring.



**SWEET POT AND MEDICINAL HERB SEEDS—Continued.**

	Per oz.
<b>Anise</b> ( <i>Pimpinella anisum</i> ), an annual, cultivated for its seed and its leaves, which are used for garnishing and for seasoning.....	\$0 10
<b>Balm</b> ( <i>Melissa officinalis</i> ), a hardy perennial, used for making balm tea and balm wine.....	30
<b>Basil, Sweet</b> ( <i>Ocimum basilicum</i> ), This is a tender annual, cultivated for its leaves, which are much used for flavoring soups and sauces.....	20
<b>Benne</b> ( <i>Sesamum orientale</i> ).....	10
<b>Borage</b> ( <i>Borage officinalis</i> ), hardy annual, sometimes used as a pot-herb, and also for garnishing, but chiefly required for claret cup and other cooling drinks. Bees are very partial to the flowers....	10
<b>Caraway</b> ( <i>Carum carui</i> ), hardy biennial, cultivated for its seed, which is largely used in various kinds of confectionery and for giving flavor to liqueurs.....	10
<b>Catnip</b> ( <i>Nepeta cataria</i> ), perennial.....	50
<b>Coriander</b> ( <i>Coriandrum salivum</i> ), an annual, raised for its seeds, which are used by confectioners, and sometimes to disguise the taste of medicine.....	10
<b>Dill</b> ( <i>Anethum graveolens</i> ), annual, the leaves are used in soups and sauces, and the seeds are sometimes added to pickled cucumbers to heighten the flavor. Medicinally they are good for flatulence and colic in infants.....	10
<b>Fennel</b> ( <i>Anethum fœniculum</i> ), hardy perennial, leaves used for garnishing, and in the preparation of various fish sauces.....	10
<b>Horehound</b> ( <i>Marrubium vulgare</i> ), hardy perennial, principally used for medicinal purposes.....	25
<b>Hyssop</b> ( <i>Hyssopus officinalis</i> ), hardy perennial; the leafy tops and flowers are used for making hyssop tea.....	25
<b>Lavender</b> ( <i>Lavandula spica</i> ), a popular aromatic herb.....	15
<b>Majoram, Sweet</b> ( <i>Origanum Marjorana</i> ), for seasoning.....	20
<b>Opium Poppy</b> ( <i>Papaver somniferum</i> ).....	20
<b>Rosemary</b> ( <i>Rosmarinus Officinalis</i> ), an aromatic herb.....	30
<b>Rue</b> ( <i>Ruta graveolens</i> ), used for medicinal purposes, also frequently given to fowls for the roup ...	20
<b>Saffron</b> ( <i>Carthamus tinctorius</i> ).....	10
<b>Sage</b> ( <i>Salvia officinalis</i> ), much used for flavoring various articles of cookery. It is also possessed of medicinal virtues. Tea made from its leaves is a sudorific; causing profuse perspiration.....	15
<b>Summer Savory</b> ( <i>Satureia hortensis</i> ), annual. It has medicinal and culinary uses. Its aromatic leaves are much esteemed in salads and soups.....	15
<b>Sorrel, Broad Leaved</b> , used in salads.....	15
<b>Thyme, Broad Leaved English</b> , hardy perennial. Thyme is used in various ways, for soups, sauce and dressings, and a tea is made of the leaves which is a great remedy for nervous headache.....	30
<b>Tarragon</b> Roots, each.....	35
<b>Tansy</b> ( <i>Tanacetum vulgare</i> ).....	30
<b>Wormwood</b> ( <i>Artemisia absietnium</i> ), used for medicinal purposes; it is also beneficial to poultry, and should be planted in poultry grounds.....	25

**GRASS SEEDS.**

These Prices are Subject to Variation.

<b>Blue Grass Kentucky</b> , ( <i>Poa pratensis</i> ), extra clean; does well on light dry soils; recommended for permanent pasture; it requires two or three years to form a good sod, and does not arrive at its perfection as a pasture grass until it is much older; valuable in mixtures for lawn.....	Per lb. \$0 18
	Per bushel of 14 lbs. 2 00
<b>Creeping Bent Grass, Florin</b> , ( <i>Agrostis stolonifera</i> ), used by many for lawns, also well adapted to moist places.....	Per lb., 25c.; per bushel of 15 lbs. 3 00
<b>Crested Dogtail</b> , ( <i>Cynosurus cristatus</i> ), good for permanent pasture for sheep, is productive and early, suffers but little from dry weather, and is one of the best grasses for lawns. 25 lbs. to the acre.....	Per lb. 40
<b>Hard Fescue</b> , ( <i>Festuca duriuscula</i> ), admirable pasture grass of fine quality, thrives well in dry situations. 30 lbs. to the acre; 12 lbs. to the bushel. (By bushel, 15c.;.....	Per lb. 20
<b>Meadow Fescue</b> , ( <i>Festuca pratensis</i> ), this is excellent for hay when sown with other grasses, such as Orchard Grass and Timothy, and is also considered one of the best grasses for permanent pasture on a great variety of soils. 40 lbs. to the acre. (By bushel, 12c.;.....	Per lb. 15
<b>Sheep's Fescue</b> , ( <i>Festuca ovina</i> ), does well in high, dry and open pastures, is of short, dense growth, and valuable in lawn mixtures. 30 lbs. to the acre. (By bushel, 15c.;.....	Per lb. 20
<b>Meadow Foxtail</b> , ( <i>Alopecurus pratensis</i> ), regarded as one of the most desirable grasses for permanent pasture, being early and rapid in growth. 25 lbs. to the acre. (By bushel, 30c.;.....	Per lb. 35
<b>Meadow Soft Grass</b> , ( <i>Holcus lanatus</i> ), will grow with little or no care in any soil; it is chiefly cultivated where the better grass will grow. 3 bushels to the acre; 7 lbs. to bushel. Per bushel, \$1.40.....	Per lb. 22
<b>Orchard Grass</b> , ( <i>Dactylis glomerata</i> ), is one of the most desirable of all pasture grasses, coming early in the Spring and remaining later in Autumn than any other. 3 bushels to the acre; 14 lbs. to the bushel; (Box lots 225 lbs.).....	Per bushel 2 50
<b>Red Top Grass</b> , ( <i>Agrostis vulgaris</i> ), good permanent grass, excellent for lawns, pastures, etc., and sowing with Timothy and Red Clover for cutting for hay. Sack 50 lbs. \$3.00.; Per bushel of 14 lbs.....	1 00
<b>Fancy Red Top Grass</b> , cleaned like Timothy; free from chaff. Bushel 10c lb.;.....	Per lb. 12
<b>Rhode Island Bent Grass</b> , ( <i>Agrostis canina</i> ), best of all grasses for lawns where only one variety is used.....	Per bushel of 12 lbs. 3 00



**GRASS SEEDS—Continued.**

<b>Rye Grass, English</b> ( <i>Lolium perenne</i> .) Probably one of the most important and valuable of the cultivated grasses; is naturally adapted to almost any soil; matures early, and is very productive, but contains less nutrition than Orchard Grass, per lb. 12c. ....		Per bushel of 24 lbs.	\$2 25
<b>Rye Grass, Italian</b> , ( <i>Lolium Italicum</i> .) This ripens much sooner than the English Rye Grass, and is greatly preferred by cattle, and greedily eat by them, either in a green or dry state. Per lb.		12	
		Per bushel of 18 lbs.	1 75
<b>Sweet Vernal Grass</b> ( <i>Anthoxanthum odoratum</i> .) is not valuable when sown alone, but when sown with other grasses it becomes so because of its early growth. It also yields a delightful odor when cured for hay. 10 lbs. to the acre, mixed with other grass annual. ....		Per lb.	20
<b>Tall Meadow Oat Grass</b> ( <i>Avena elatior</i> .) very valuable for pasture on account of its early and luxuriant growth. It shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. It has been lately in demand, and is much value in the South. ....		25c. lb. Per bushel of 13 lbs.	2 50
<b>Timothy, Herd's Grass</b> ( <i>Phleum pratense</i> .) As a crop to cut for hay this is probably unsurpassed. It thrives best on moist, peaty or loamy soils, and is not suited to light or sandy soils, although on such it can, with care, be made to produce fair crops. Price according to market. 45 lbs. to bushel.			
<b>Rough Stalked Meadow Grass</b> ( <i>Poa trivialis</i> .) produces a constant supply of highly nutritious herbage, particularly on dry soils; one of the most valuable for laying down pastures and meadows on soils either moist or moderately dry. 14 lbs. to the bushel; 20 lbs. to the acre. Per lb. 40c. Per bushel. ....			5 00
<b>Wood Meadow Grass</b> ( <i>Poa nemoralis</i> .) This grass grows well both on shady and exposed situations. 30 lbs. to the acre. ....		Per lb.	40
<b>Yellow Oat Grass</b> ( <i>Avena flavescens</i> .) good for dry pastures and meadows. Is much relished by sheep. ....		85c. lb. Per bushel of 8 lbs.	6 50
<b>Golden or German Millet.</b> This variety is a heavier cropper than the Hungarian Grass, and needs a longer season and stiffer soil. Grows from three to five feet high, stands up well, is easily cured, gives general satisfaction. Three pecks to the acre. ....		Per bushel of 48 lbs.	1 50
<b>Hungarian Grass</b> , a valuable forage plant, succeeds well on dry, light soil; withstands the drought remarkably, remains green when all other vegetation is parched up, and if its development is arrested by dry weather the least rain will restore it to vigor. Sow broadcast. Three pecks to the acre. ....		Per bushel 48 lbs.	1 75
<b>Muzzy Bros.' Fine Mixed Lawn Grass</b> , composed of a mixture of the finest grasses; sow four to five bushels per acre. ....		15c. qt. Per bushel	3 00

**HOW TO MAKE A LAWN.**

The ground ought to be carefully prepared during the Winter, by draining if found requisite, and digging to the depth of six to twelve inches, according to the nature of the soil. The land should then be leveled and raked to remove stones, etc., and then made firm with a heavy iron roller. When the natural soil is too stony, a supply of good mould should be spread over it to the depth of two or three inches. In March or April, before sowing the seed, the ground ought to be thoroughly cleaned and made perfectly level with the iron roller, and as the subsequent appearance of the lawn depends in a great measure on this part of the preparation, it is of the utmost importance it should be well done. The ground should then be evenly raked and the seeds sown. April and September are the best months for sowing. The seed should be sown on a calm day, at the rate of four bushels to the acre.

After the sowing has been accomplished, the ground should be again rolled, and as soon as the young plants have attained the height of two or three inches, the whole plot should be carefully gone over with a sharp scythe, and from the months of April to October it should be mown every ten days. Mowing machines are excellent after a comparatively close turf is established; but for the first six months' sowing, the scythe should be used in preference to the machine. **Frequent mowing and rolling are indispensable to maintain the turf in good order.** By adopting these means a close greensward will be obtained in a short time.

For lawns requiring improvement, and on croquet grounds, where the turf has become bare through constant use, it is only necessary to sow fresh seed at the rate of one or two bushels to the acre, either in the Spring or Fall, using a small tooth rake, and rolling afterwards. A slight dressing of manure, late in Fall, will often be found beneficial in encouraging the growth of finer kinds of grasses, and helps to produce a close growing turf.



# MUZZY BROTHERS' CELEBRATED LAWN GRASS

## Quantities to be used.

Plot 20 feet by 20 feet, sow 1 quart	Price \$0 15
" 25 " 50 " 4 "	" 50
" 25 " 100 " 8 "	" 75
" 1 acre, sow 3 bushels	Price, per bushel, 3 00

For large lawns, where turf has become bare through constant use, it is only necessary to sow fresh seed at the rate of one to two bushels to an acre. On such lawns it is well to use also our Lawn Dressing, which can be raked in.



## Quantity Required of our Celebrated Lawn Dressing

Plot 20 feet by 25 feet, use 5 lbs	Price, \$0 25
" 20 " 50 " 10 "	" 40
" 25 " 100 " 25 "	" 90
" 50 " 100 " 50 "	" 1 75
" one-quarter acre, 100 "	" 3 00

## CLOVERS.

(Subject to variation in price.)

<b>Red Clover, Medium</b> ( <i>Trifolium pratense</i> .) Price variable. 60 lbs to bushel.	Per lb.	Lots 25 lbs.
<b>Red Clover, Large, or Pea Vine.</b> Price variable.		Per lb.
<b>White Clover,</b> ( <i>Trifolium repens</i> .)	\$0 30	\$0 25
<b>Alfalfa or Lucerne,</b> requires a deep rich soil, and in such will produce several crops every season. Fifteen pounds to the acre.	20	18
<b>Alsike, or Swedish</b> ( <i>Trifolium hybridum</i> .) Ten pounds to the acre.	20	16
<b>Crimson, or Italian</b> ( <i>Trifolium incarnatum</i> ), sown in Autumn, it furnishes a very early fodder, and is excellent for soiling. Twenty pounds to the acre. Price variable.	10	08
<b>Bokhara Clover</b> ( <i>Melilotus alba</i> ), affords excellent feed for bees; it is a valuable soiling plant; lasts two years. Ten pounds to the acre.	25	22
<b>Yellow Trefoil</b> ( <i>Medicago lupulina</i> ). Hop clover. Fifteen pounds to the acre.	20	12



# GRAINS.

(Prices of Grains are subject to change with the market).

All grains are selected expressly for seed, and are strictly pure and true to name.

## SPRING WHEAT, 60 lb. Bushel.

	Per bu.
<b>Saskatchewan Fife</b> .....	\$2 00
<b>China Spring</b> , chaff bearded variety, and a general favorite.....	2 00
<b>Mediterranean Spring</b> . This variety has been grown with great success for a number of years in some sections of New England, and is very highly recommended, is bearded; yields well and the kernels are larger than those of other Spring varieties.....	2 00
<b>White Russian</b> . This variety, recently introduced, has proved very valuable in many localities in the Northwestern States. Straw of good length, strong, does not lodge. It is not inclined to rust. Heads of large size and well filled with plump kernels weighing 60 to 62 lbs. to the bushel. Has produced 40 to 50 bushels to the acre.....	2 00

## WINTER WHEAT, 60 lb. Bushel.

<b>Jones Winter Fife</b> , surpassing all other varieties in hardiness and productiveness.....	1 75
<b>Golden Cross</b> , has the yield of the Clawson, with flour of the Mediterranean.....	1 75
<b>Clawson</b> , also known as the Seneca. This is a beardless white wheat with red chaff. It proves early and hardy, has a stiff straw, yields larger crops than any other .....	1 75
<b>Fultz</b> . A beardless amber variety, grown largely in some sections of Pennsylvania, and with very satisfactory results. It is very hardy and productive, and the straw is of medium length and very strong; makes excellent flour.....	1 75
<b>Red Mediterranean</b> ( <i>American</i> ). This is the imported variety fully acclimated and is a standard wheat. The heads are bearded and well filled. It succeeds well in nearly all localities and ripens early.....	1 75

## OATS, 32 lb. Bushel.

<b>Swedish</b> , heavy and bright color.....	} Prices on application.
<b>Washington</b> , very popular, and standing well until fully ripe.....	
<b>Probsteier</b> , very productive and heavy. The straw is very strong. No. 32.....	
<b>Scotch</b> , one of the leading varieties .....	
<b>Welcome</b> .....	

## RYE, 56 lb. Bushel.

<b>Spring Rye</b> .....	1 25
<b>Winter Rye</b> .....	1 00

## SPRING BARLEY, 48 lb. Bushel.

<b>Vermont Champion</b> (two-rowed).....	1 25
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## BUCKWHEAT, 44 lb. Bushel.

**Silver Hull** variety is a great improvement on the common Buckwheat. Sown at the same time it will continue to bloom longer, matures a few days sooner, and yields nearly or quite double under the same conditions..... Per bu. \$1 50

## JAPANESE BUCKWHEAT.

Yields twice or three times as much as Silver Hull and ripens a week earlier..... Per bu. \$1.50

## MISCELLANEOUS SEEDS, ETC.

<b>Early Amber Sugar Cane</b> .....	Lb. 15c 100 lbs. \$5 00
<b>Broom Corn, Improved</b>	
<b>Evergreen</b> .....	" 15c 100 lbs. 7 00
<b>Broom Corn, California Golden</b>	" 15c 100 lbs. 7 00
<b>Cotton Seed, Upland</b> .....	" 15c 100 lbs. 6 00
<b>Cotton Seed, Sea Island</b> .....	" 15c 100 lbs. 6 00





**MISCELLANEOUS SEEDS, ETC.—Continued.**

<b>Johnson Grass</b> ( <i>Sorghum halepense</i> )	Per lb., \$0 20	Per bush., 28 lbs., \$4 50
<b>Reana Luxurians</b> ( <i>Teosinte</i> )	Per oz., 15	Per lb., 60
<b>Eucalyptus Globulus, Gum Tree</b>		Per oz., 25
<b>Osage Orange</b>	Per lb., 50	Per bush., 8 00
<b>Canada Field Peas</b>	Per qt., 10	" 1 75
<b>Winter Vetches</b>	Market price	
<b>Spring Vetches</b>	" "	
<b>Flax</b> very clean	Per qt., 10	" 2 50

**BIRD SEEDS.**

(Prices by the bushel on application. Postage 16 cents per pound)

<b>Canary, Best Sicily</b> ( <i>Phalaris canariensis</i> )	Per qt., \$0 10
<b>Hemp</b> ( <i>Cannabis sativa</i> )	" 10
<b>Maw</b> ( <i>Papaver Rhæas</i> )	Per lb., 15
<b>Millet</b> ( <i>Panicum miliaceum</i> )	Per qt., 10
<b>Rape</b> ( <i>Brassica napus</i> )	" 10
<b>Mixed Bird Seed</b>	" 10
<b>Sunflower, Large Russia</b>	Per bush., 28 lbs., \$2.00; " 10
<b>Rough Rice</b>	" 10
<b>Gravel for Cages</b>	Per box, 04
<b>Cuttle-Fish Bone</b>	Each, 03

**Vegetable Roots and Plants.**

<b>Asparagus Roots, Palmetto</b>	Per 100, \$0 75; per 1,000, \$5 00
<b>Asparagus Roots, Conover's Colossal</b> (2 years old)	" 50 " 4 50
<b>Rhubarb Roots</b>	15c each; per doz., 1 50
<b>Jerusalem Artichokes</b>	Per bush., \$4 00; " 20
<b>Horse Radish Roots</b>	Per 100, 75c.; " 20
<b>Terragon, or Estragon</b>	Clumps 35c each; " 3 50
<b>Prickley Comfrey</b>	Sets by mail per lb., 50
<b>Dioscorea Catatas, or Chinese Yam</b> , roots one year old	Per dozen, 60
<b>Chive Plants</b>	Per bunch, 25c; Per 100, 75

Cabbage, Cauliflower, Lettuce (Cold Frame) Plants, Egg Plants, Pepper, Tomato (Hotbed) Plants, and Sweet Potato Plants can be furnished in their Seasons. Prices on Application.

Grafting Wax, 10c. 1-4 lb.; 15c. 1-2 lb.; 25c. 1 lb.

Bulbs of all kinds in Season, also Hardy Rose Bushes in Spring.



# QUANTITY OF SEEDS AND PLANTS

## REQUISITE TO CROP AN ACRE OF LAND.

Artichokes, Jerusalem .....	3	bush.	Kale, German Greens .....	3	lbs.
Asparagus, in 12 inch drills .....	25	lbs.	Lettuce, in rows; 2½ feet .....	3	lbs.
Plants, 4x1½ feet .....	8,000		Leek, in rows; 2½ feet .....	3	lbs.
Barley, Broadcast .....	2½	bush.	Melon, Water, in hills; 8x8 feet .....	3	lbs.
Beans, dwarf, in drills; 2½ feet .....	1½	bush.	Citron, in hills; 4x4 feet .....	2	lbs.
Lima, in drills; 4x4 feet .....	20	qts.	Millet, Pearl, in drills .....	5	lbs.
Pole, in hills; 4x3 feet .....	10	qts.	Golden, broadcast .....	¾	bush.
Beets, in drills; 2½ feet .....	6 to 8	lbs.	Mustard, broadcast .....	12 to 16	qts.
Broom Corn, in hill .....	4 to 6	qts.	Oats, broadcast .....	2 to 3	bush.
Buckwheat, broadcast .....	1	bush.	Onion, in drills .....	5	lbs.
Cabbage, sown in frames .....	6	oz.	In beds for sets .....	35	lbs.
Sown in outdoor beds for trans- planting .....	10	oz.	Parsnip, in drills; 2½ feet .....	5	lbs.
Carrot, in drills; 2½ feet .....	3	lbs.	Peas, Early, in drills .....	1½	bush.
Celery seed .....	8	oz.	Marrowfat, in drills .....	1¼	bush.
Plants, 4x½ foot .....	25,000		Broadcast .....	3	bush.
Chufas, in drills .....	½	bush.	Potato, cut tubers; in drills .....	8 to 10	bush.
Clover, Alsike .....	5	lbs.	Radish, in drills; 2 feet .....	8	lbs.
Red, alone .....	15	lbs.	Broadcast .....	12	lbs.
White, alone .....	12	lbs.	Pepper Plants, 2½x1 foot .....	17,500	
White, with other Seeds .....	4	lbs.	Pumpkin, in hills; 8x8 feet .....	2	qts.
Lucerne of Alfalfa .....	15	lbs.	Parsley, in drills; 2 feet .....	4	lbs.
Corn, Sweet .....	8 to 10	qts.	Rye, broadcast .....	1½ to 2	bush.
Field .....	7 to 9	qts.	Salsify, in drills; 2½ feet .....	10	lbs.
For fodder .....	3	bush.	Sorghum .....	10 to 12	lbs.
Corn Salad, in drills; 10 inches .....	25	lbs.	Spinach, in drills .....	10	lbs.
Cucumber, in hills .....	1½	lbs.	Broadcast .....	30	lbs.
Egg Plants; plants 3x2 feet .....	4	oz.	Turnip, in drills; 2 feet .....	1½	lbs.
Endive, in drills; 2½ feet .....	3	lbs.	Broadcast .....	2 to 3	lbs.
Grass, Hungarian .....	¾	bush.	Tomatoes, in frame .....	4	oz.
Lawn .....	3 to 4	bush.	Plants .....	3,800	
Orchard .....	2 to 3	bush.	Wheat, broadcast .....	2	bush.
Rye .....	2	bush.	In drills .....	1¼	bush.
Timothy .....	¼	bush.	Clover, together .....	10 lbs. Clover.	
Kentucky Blue .....	3	bush.	Timothy, for .....	¼ bu. Timothy.	
Red Top .....	3	bush.	Red Top, one acre, .....	1 bu. Red Top.	

## Quantity of Seeds for a Given Number of Plants, Etc.

Asparagus .....	1 oz. to 60 ft. drill.	Pole Beans .....	1 qt. to 150 hills.
Beet .....	1 oz. to 50 ft. "	Corn .....	1 qt. to 200 "
Carrot .....	1 oz. to 150 ft. "	Cucumber .....	1 oz. to 50 "
Endive .....	1 oz. to 150 ft. "	Water Melon .....	1 oz. to 30 "
Okra .....	1 oz. to 40 ft "	Musk Melon .....	1 oz. to 60 "
Onion .....	1 oz. to 100 ft. "	Pumpkin .....	1 oz. to 40 "
Onion sets, small .....	1 qt. to 20 ft. "	Early Squash .....	1 oz. to 50 "
Parsley .....	1 oz. to 150 ft. "	Marrow Squash .....	1 oz. to 16 "
Parsnip .....	1 oz. to 200 ft. "	Cabbage .....	1 oz. to 3000 plants.
Radish .....	1 oz. to 100 ft. "	Cauliflower .....	1 oz. to 3000 "
Salsify .....	1 oz. to 70 ft. "	Celery .....	1 oz. to 4000 "
Spinach .....	1 oz. to 100 ft. "	Egg plant .....	1 oz. to 2000 "
Turnip .....	1 oz. to 150 ft. "	Lettuce .....	1 oz. to 4000 "
Peas .....	1 qt. to 100 ft. "	Pepper .....	1 oz. to 2000 "
Dwarf Beans .....	1 qt. to 100 ft. "	Tomato .....	1 oz. to 2000 "



# Cultivation of Flower Seeds.

## HARDY ANNUALS.

No class of plants or flowers is so easy of cultivation as Hardy Annuals; their brilliant and varied colors and the readiness with which they adapt themselves to almost any soil or situation has rendered them general favorites.

Successive sowings may be made from March to the end of September; March, April and May are the best months for a general Summer display; June and July for Autumn blooming, and August and September for Spring flowering. The soil should be carefully prepared by being finely pulverized and made light and rich.

Sow thinly; cover with a very thin coat of fine, dry earth—the smallest seeds needing but a mere dusting to cover them—and from the first keep the plants thinned sufficiently to prevent overcrowding, which weakens them and produces poor blooms.

## HALF HARDY AND TENDER ANNUALS.

These include some of the most beautiful and varied of our Summer flowers, among which may be mentioned Aster, Balsam, Ten-Weeks' Stocks, Phlox Drummondii and Double Zinnia, which in form, size and brilliancy of flowers, and their great diversity of color, are now brought to a high state of perfection.

Sow from the beginning of March to June; when sown in March and early part of April, sow thinly in well-drained pots, pans or boxes; place in the greenhouse or a frame where there is a mild heat, or, in the absence of these, a sunny window in the house will do; cover the seeds lightly, press down the soil firmly and give a gentle watering with a fine rose water pot.

Separate the plants when large enough to handle, and finally plant out in May, as soon as the weather is sufficiently warm, where intended to flower. The seed can be sown in the open ground in May and June.



*Balsam.*



*Briza—Quaking Grass.*

## HARDY BIENNIALS AND PERENNIALS.

These can be grown at all seasons of the year in the open garden without protection, and may therefore be placed among the most useful of our flowering plants; their variety is almost endless, producing almost every form of flower and shade of color.

The seed may be sown from May to October, but the best time is in May and June. Select for sowing a shady, moist situation, and, in order to secure fine, strong plants, sow thinly, and as soon as large enough transplant in showery weather to nursery beds, and finally plant out in October and November; those sown in Autumn are best planted out in March or April, where intended to flower. Many Perennials, if sown early and treated as Annuals will flower the first season. The Pansy, Peonia, China Pink and its several splendid varieties, and many others, do better as Annuals than Perennials.

**Half Hardy Biennials and Perennials** may be raised and treated in the same way as recommended for Half Hardy Annuals.

## ANNUALS FOR WINTER BLOOMING.

Many Annuals are very desirable for the greenhouse for Winter blooming; these should be sown in July or August. The most important are Browallia, Candytuft, German Stocks, Lobelia, Mignonette, Schizanthus, Sweet Alyssum and Dwarf Nasturtiums. Many varieties as well as the above may be sown in the Fall and Winter for blooming early in the Spring, such as Acroclinium, Ageratum, Antirrhinum, Apple-scented Geranium, China Pinks, Dianthus, Mimulus, Myosotis, Pansy, Petunias, Phlox Drummondii, Salpiglossis, Salvia, Verbena, Vinca and others.



# General List of Flower Seeds.

## Abbreviations and Signs used in the following list :

- A. Annual, refers to those plants that last but one season, and must be raised annually.  
 B. Biennial, raised one year, bloom and die the next.  
 P. Perennial, lasts two or more seasons.  
 h. Hardy, as those that may be grown at all seasons in the open air, without protection.  
 hh. Half hardy, require the protection of a frame pit, or handlight till May, when they may be transferred to the open garden.  
 t. Tender, require to be raised and grown under glass, and will only do in the open air in July, August and September.  
 cl. Climbing, as Cypress Vine, Morning Glory, etc.  
 spr Spreading or trailing, as Verbena.  
 g. Greenhouse, those plants which require to be grown under glass.  
 s. Shrubs, plants of a shrubby or bushy habit.

**Those Biennials, and Perennials marked with an asterisk (\*) will bloom the first year if sown early.**

NAME.	Hardiness and Duration.	Height in Feet.	Color.	Price per Packet.	OBSERVATIONS.
<b>Abobra</b> viridiflora.....	ta	8	sc. fruit	10	Beautiful climbing gourd.
<b>Abronia</b> , umbellata.....	hha	spr	pink	5	Pretty Verbena-like annuals.
“ fragrant.....	hhb	2	white	10	Beautiful bell-shaped flowers.
<b>Abutilon</b> , mixed.....	tp	6	various	25	Good for greenh. or pot culture.
<b>Acacia</b> , mixed.....	hhp	3-5	yellow	25	Beautiful tuber rooted plants.
<b>Achimenes</b> , choice mixed.....	gp	1	various	25	Mountain Fringe, hardy climber.
* <b>Adlumia</b> cirrhosa.....	hb	15	pink	10	Valuable bedding plants of dwarf habit, very free-flowering.
<b>Ageratum</b> , Mexicanum.....	hha	1	blue	5	Sweet Alyssum, a well-known fragrant flower.
“ imperial dwarf.....	“	$\frac{1}{2}$	“	5	Fine plants for decorating purposes for conservatory and flower garden. Amar. tricolor known as Joseph's coat.
“ Lasseauxii.....	“	1	rose	5	Excellent for bouquets.
<b>Alyssum</b> , sweet.....oz. 20c.	ha	$\frac{1}{2}$	white	5	Beautiful ornamental plant.
“ saxatile.....	hp	1	yellow	5	The Antirrhinum, or Snapdragon, a very useful and showy plant.
<b>Amaranthus</b> Henderi.....	hha	4	var. col.	10	Columbines. Handsome free-flowering border plants, perfectly hardy.
“ melancholicus ruber.....	“	2	red	5	Rock or border, early flowering.
“ bicolor ruber.....	“	3	“	5	Fine ornamental plant.
“ salicifolius.....	“	3	scarlet	5	Beautiful California Heath.
“ tricolor.....oz. 50c.	“	1	var. col.	5	Beautiful scarlet berries.
<b>Anhcuca</b> augustifolia.....	hp	2	purple	10	Dutchman's Pipe, splendid climber.
* <b>Angelonia</b> grandifolia.....	gp	2	vio. blue	25	Pretty, sweet-scented free bloomers.
* <b>Antirrhinum</b> majus, choice mixed.....	hp	2	various	5	One of the most popular and effective of our garden favorites, producing flowers of the most perfect and beautiful form, as well as richness and variety of color. They delight in a rich, light soil, and in hot dry weather should be mulched well with rotted manure, and supplied liberally with water.
* “ Tom Thumb.....	“	1	“	10	Charming Spring pot plant.
<b>Aquilegia</b> chrysantha.....	“	2	yellow	10	Beautiful flowering shrubs.
“ coerulea.....	“	2	sky-blue	10	
“ choice mixed, double.....	“	2	various	10	
<b>Arabis</b> Alpina.....	“	$\frac{1}{2}$	white	10	
<b>Aralia</b> Japonica.....	hhp	4	orn. fol.	25	
<b>Arctostaphylos</b> glauca.....	hs	6	white	10	
<b>Ardisia</b> crenulata.....	gs	3	red frt.	25	
<b>Aristolochia</b> sipho.....	hp	30	yel. br.	10	
<b>Asperula</b> azurea setosa.....	ha	1	blue	5	
“ odorata (Woodruff).....	hp	$\frac{1}{2}$	white	10	
<b>Aster</b> Victoria, crimson.....	hha	2	crimson	10	
“ pure white.....	“	2	white	10	
“ finest mixed.....	“	2	various	10	
“ Truffaut's Paony-flowered, mixed colors.....	“	$1\frac{1}{2}$	“	10	
“ Paony-flowered Perfection.....	“	$1\frac{1}{2}$	“	10	
“ Chrysanthem-flowered, finest mixed.....	“	$\frac{3}{4}$	“	10	
“ Washington, mixed.....	“	2	“	15	
“ Dwarf Bouquet, mixed.....	“	$\frac{3}{4}$	“	10	
“ mixed China.....oz. 75c.	“	$1\frac{1}{2}$	“	5	
<b>Auricula</b> , finest mixed.....	hhp	$\frac{1}{4}$	“	25	
<b>Azalea</b> indica, mixed.....	gs	4	“	25	



*Convolvulus minor.**Cowslip.*

NAME	Hardiness and Duration.	Height in Feet.	Color.	Price per Packet.	OBSERVATIONS.
<b>Balloon</b> Vine.....	hha	10	wh. gr'n	5	Rapid growing climber.
<b>Balsam</b> , mixed double.....oz. 50c.	"	2	various	5	
" Camelia-flowered mixed.....	"	2	"	10	Balsam or Ladies' Slipper. One of the finest of Summer blooming annuals; also excellent for pot culture.
" white.....oz. \$1	"	2	white	10	
" white Perfection.....	"	2	"	15	
" Solferino.....	"	2	striped	10	
" Victoria.....	"	2	spotted	10	
" Apple.....	"	10	yellow	5	
" Pear.....	"	10	"	5	Interesting climber, with remarkable fruits.
<b>Begonia</b> , new hybrids.....	gs	2	various	25	
<b>Bocconia</b> Japonica.....	"	4	white	10	Beautiful new hybrids.
<b>Browallia</b> alata.....	hha	1½	blue	5	Fine for specimens or groups.
" alba.....	"	1½	white	5	Striking plants for greenhouse or outdoor cultivation.
<b>Cacalia</b> , mixed.....	ha	1½	various	5	
<b>Calceolaria</b> hybrida.....	gP	2	"	50	Scarlet and orange tassel flower.
" rugosa.....	hhP	2	"	25	Unsurpassed for richness of coloring and beauty of shape.
<b>Calendula</b> Meteor.....	ha	1½	striped	5	
" Pongei fl. pl.....	"	1½	white	10	C. Carpatica, fine for edgings.
<b>Campanula</b> Carpatica.....	hP	1	blue	5	
" alba.....	"	1	white	5	
* " pyramidalis.....	hhP	4	blue	5	C. pyramidalis, very handsome in pots.
<b>Canary</b> Bird Flower.....	hha	10	yellow	10	A charming climber.
<b>Candytuft</b> , crimson.....oz. 40c	ha	1	crimson	5	Beautiful and useful hardy annuals, very effective in beds, groups or ribbon borders; also for pot culture.
" white.....	"	1	white	5	
" rocket.....	"	1	"	5	
" rose.....	"	1	rose	5	
" new carmine.....	"	1	carmine	5	
" Tom Thumb.....	"	½	white	5	These stately plants are remarkable for their large and handsome foliage, producing a most luxuriant and tropical appearance.
* <b>Canna</b> gigantea.....	hhP	8	red	10	
* " Marshal Vaillant.....	"	4-5	orange	10	
* " Fintelmannii.....	"	5	yellow	10	
* " nigricans.....	"	3	red	10	
* " Bihorelli.....	"	3	scarlet	10	
* " mixed var.....oz. 50c.	"	3-6	various	5	Handsome old-fashioned plants for mixed borders.
* <b>Canterbury</b> Bells, blue.....	hB	3	blue	5	
" white.....	"	3	white	5	
* " mixed.....	"	3	mixed	5	Ornamental Thistle.
<b>Carduus</b> benedictus.....	ha	3	white	5	
<b>Carnation</b> , finest double.....	hP	2	various	25	The Carnation Pink is indispensable for its rich flowers and delicious perfume.
" mixed for borders.....	"	"	"	10	
" perpetual or tree.....	"	2	"	50	Handsome silver foliage plants for bedding out of the greenhouse.
<b>Centaurea</b> candidissima.....1000 \$2	hhP	1	wh. fol.	25	
" Clementei.....	"	1	"	25	
" gymnocarpa.....½ oz. \$2	"	1	"	25	



*Cyclamen.**Dianthus.*

NAME.	Hardiness and Duration	Height in Feet	Color	Price per Packet	OBSERVATIONS.
<b>Chrysanthemum</b> , annual mixed...	hA	2	various	5	Showy annuals, for mixed beds or borders. Double Golden and Burridgei are very handsome. Chrys. indicum and pompon are beautiful Fall flowering Chrysanthemums.
“ double white...	“	1	white	5	
“ “ golden...	“	1	orange	15	
“ Burridgei, imp...	“	1	various	10	
“ indicum fl. pl...	hP	3	“	10	
“ pompon fl. pl...	“	2	“	10	Superb strain; large flowers of beautiful form and color.
<b>Cineraria</b> hybrida, choicest mixed...	gP	1½	“	50	
“ “ dwarf mixed...	“	¾	“	25	
“ “ double new...	“	1½	“	75	New varieties, large double flowers.
“ maritami...	hP	1½	yellow	5	Silvery foliated bedding plant.
<b>Clarkia</b> pulchella...	hA	1	pink	5	Very pretty free flowering annuals.
“ mixed varieties...	“	1	various	5	
<b>Cliaanthus</b> Dampieri...	gS	4	scarlet	15	Beautiful greenhouse plant.
* <b>Cobæa</b> scandens...	hhP	20	purple	10	Rapid growing, handsome climber.
<b>Cockscomb</b> , dwarf, crimson...	hHA	1	crimson	5	Exceedingly handsome plants. The dwarf varieties are excellent for pot culture. The Glasgow and New Empress Coxcombs are new and very fine.
“ Glasgow Prize...	“	¾	purple	10	
“ New Empress...	“	1	crimson	5	
“ New Japan...	“	3	scarlet	10	
“ feathered, mixed...	“	3	various	10	
<b>Coleus</b> , from newest varieties...	tP	2	var. fol.	50	One of the most effective plants in carpet bedding.
<b>Collinsia</b> bicolor...	hA	1	pur.wh.	5	Attractive annuals; if sown in Fall will flower early in Spring.
“ mixed varieties...	“	1	various	5	
<b>Convolvulus</b> major...oz. 15c.	“	10	“	5	J. Major (Morning Glory) is one of the best known climbers.
“ minor...oz. 30c.	“	1	“	5	
“ Mauritanicus...	hhP	spr	lav'nder	10	
<b>Cotton</b> Plant...	tA	3	yellow	5	Curious for pots.
<b>Cowslip</b> , English...	hP	¾	mixed	5	Favorite Spring flower.
<b>Cyclamen</b> Persicum...	hhP	1½	“	25	Beautiful sweet scented greenhouse plants.
“ extra choice...	“	1½	“	50	
“ giganteum...	“	1½	“	50	
<b>Cypress</b> Vine, scarlet...oz. 50c.	tA	10	scarlet	5	Well-known beautiful climbers.
“ scarlet, ivy leaved...oz. 50c.	“	10	white	10	
“ white...oz. 50c.	“	10	div.	5	
“ mixed...oz. 50c.	“	10	div.	5	
* <b>Dahlia</b> , finest double...	hHA	6	various	10	Stately autumn flowering plants.
“ Liliputian varieties...	“	4	“	25	
“ single mixed...	hhP	3	“	10	
<b>Daisy</b> , double...	hP	¼	“	15	Finest mixed.
<b>Datura</b> chlorantha, double...	hHA	3	yellow	10	Very showy trumpet-shaped flowers.
“ meteloides...	“	3	w. & b.	5	
<b>Delphinium</b> formosum...	hP	2	blue	5	Splendid plants for large borders.
“ nudicaule...	“	1	scarlet	10	



*Gaillardia.**Globe Amaranthus.*

NAME.	Hardiness and Duration	Height in Feet	Color	Price per Packet	OBSERVATIONS.
<b>Devil-in-a-bush</b> .....	hA	1½	b. & w.	5	Curious and pretty.
* <b>Dianthus</b> Chinensis, double...oz. 75c.	hB	1	mixed	5	} Fine variety of China Pink; should be in every garden.
* " Hedderwigii .....	"	1	"	10	
* " diadematus, double .....	"	1	"	10	
<b>Dolichos</b> lablab .....	tA	10	purple	5	} Hyacinth Bean; free growing climber.
" alba .....	"	10	white	5	
<b>Erythrina</b> crista galli .....	hhP	4	scarlet	10	} Coral plants with handsome spikes of blossoms.
" corallodendron .....	"	6	"	25	
<b>Epacris</b> , finest mixed .....	gs	2-3	various	50	Fine greenhouse plant.
<b>Erica</b> , finest mixed .....	"	1-2	"	10	Cape Heaths.
<b>Eryngium</b> Leavenworth .....	hA	2	purple	19	Beautiful and curious plant.
<b>Eschscholtzia</b> California .....	"	1	yellow	5	} Useful, bright looking plants.
" Mandarinen .....	"	1	crimson	10	
<b>Eucalyptus</b> globulus .....	tP	6	foliage	10	Blue Gum tree, or Fever plant.
<b>Everlasting</b> Flowers .....	hA	2	various	5	For Winter bouquets.
<b>Everlasting</b> Peas, white .....	hP	8	white	5	} Beautiful, hardy climber.
" scarlet .....	"	8	scarlet	5	
<b>Ferns</b> , mixed varieties .....	gP	1-2	foliage	25	Beautiful foliage.
<b>Forget-me-not</b> .....	"	"	"	10	See Myosotis.
<b>Foxglove</b> (Digitalis) .....	hP	3	various	5	Showy mixed varieties.
* <b>Four O'clocks</b> (Mirabilis) oz. 30c.	hhP	2	"	5	Well-known useful plants.
* <b>Fuchsia</b> , finest mixed .....	"	3-6	"	50	Beautiful greenhouse plants.
* <b>Gaillardia</b> , mixed .....	"	2	"	5	Beautiful for borders or pots.
<b>Geranium</b> zonale, mixed .....	"	1½	"	25	} Finest mixed varieties.
" Apple-scented .....	"	1	pink	25	
" Pelargonium, mixed .....	"	1½	various	50	
* <b>Gesneria</b> , finest mixed .....	gP	1	"	50	Splendid hothouse plants.
<b>Glaucium</b> corniculatum .....	hP	2	yellow	10	A fine ornamental plant.
<b>Gloxinia</b> , finest mixed .....	gP	½	various	50	Charming house plant.
<b>Godetia</b> Whitneyi .....	hA	1½	rose	5	} Brilliant, profuse flowering, hardy annuals.
" Lady Albemarle .....	"	1½	crimson	5	
<b>Golden</b> Feathered .....	"	"	"	"	See Pyrethrum aureum.
<b>Gourd</b> Apple .....	tA	10	yellow	5	} Mock Orange; excellent rapid growing climbers, with pecul- iar and handsome fruits.
" Bottle .....	"	10	"	5	
" Dipper .....	"	10	"	5	
" Hercules' Club .....	"	10	"	5	
" Miniature .....	"	10	"	5	
" Sugar Trough .....	"	10	"	5	
" mixed .....	"	10	"	5	
<b>Helianthus</b> globosus .....	hA	6	orange	10	Superb double Sunflower.
<b>Heliotrope</b> , mixed varieties .....	hhP	2	various	10	Well-known, fragrant plants.
* <b>Hollyhock</b> , double mixed .....	hB	6	"	10	} Sow in June or July for flower- ing the next Summer.
" finest mixed .....	"	6	"	25	
" pure white .....	"	6	"	10	



*Helichrysum.**Hollyhock.*

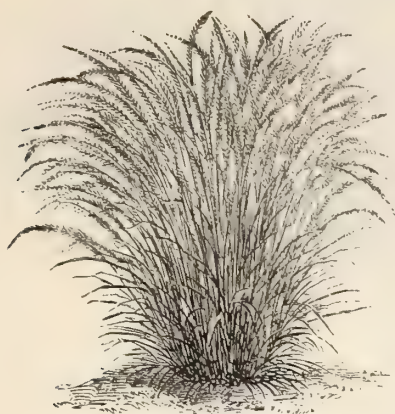
NAME.	Hardiness and Duration.	Height in Feet.	Color.	Price per Packet.	OBSERVATIONS.
<b>Humea</b> elegans.....	hhB	3	rose	10	Graceful pot plant.
<b>Ice Plant</b> .....	hBA	spr.	white	5	Curious and pretty.
<b>Ipomœa</b> coccinea.....	"	10	scarlet	5	} Very beautiful free flowering climbing vines for outdoor or greenhouse culture.
" Bona Nox.....	tA	10	white	10	
" variegata.....	hHA	10	marbled	5	
" Leari.....	gA	10	v. blue	5	
" leptophylla.....	hP	5	purple	10	
" Quamoclit.....	tA	10	scarlet	5	} The popular Cypress Vine.
" " alba.....	"	10	white	5	
<b>Lantana</b> , mixed varieties.....	hhP	3	various	10	} Good for pot or outdoor culture.
<b>Larkspur</b> , Dwarf Rocket... oz. 40c.	hA	1	"	5	
" Branching.....	"	2	"	5	} Fine free flowering plants of various beautiful colors.
" Emperor.....	"	1½	"	10	
<b>Leptosiphon</b> , roseus.....	"	1½	rose	5	} Extremely pretty dwarf free flowering plants.
" densiflorus albus.....	"	1½	white	5	
<b>Liatris</b> pycnostachya.....	hP	4	pink	10	} Kansas Gay Feather.
<b>Linum</b> grandiflorum, scarlet.....	hHA	3	scarlet	5	
" flavum.....	hP	1	yellow	10	} Scarlet Flax, very brilliant.
<b>Lobelia</b> gracilis.....	hHA	spr.	blue	10	
" Paxtoniana.....	"	3	b. & w.	10	} A charming class of dwarf growing plants for ribbon borders, hanging baskets, rockwork, etc.
" speciosa.....	"	2	blue	10	
" mixed varieties.....	"	1½	"	10	
<b>Lophospermum</b> scandens.....	"	10	rose	10	
<b>Love-Lies-Bleeding</b> .....	hA	3	crimson	5	} Climber, trumpet-shaped flowers
<b>Love-in-a-Mist</b> .....	"	1	blue	5	
<b>Lupinus</b> Cruikshanki.....	"	3	b.w.yel.	5	} Showy border annual.
" hybridus insignis.....	"	3	dark red	5	
" subcarnosus.....	"	1½	r. b. p.	5	} Curious and pretty.
" polyphyllus.....	hP	3	blue	5	
" mixed annual.....	hA	3	various	5	
<b>Marigold</b> , African.....	hA	2	mixed	5	
" French dwarf.....	"	1	"	5	} Among the handsomest easily grown garden annuals. To produce fine plants, start on heat, plant separately in pots, and turn out into rich soil.
<b>*Marvel</b> of Peru..... oz. 30c.	hhP	2	"	5	
<b>Maurandya</b> alba.....	"	10	"	10	} Fine class of plants for mixed beds or borders.
" Barclayana.....	"	10	purple	10	
" mixed.....	"	10	various	10	} Four O'clock.
<b>Mignonette</b> , large flowered, oz. 25c.	hA	1	buff	5	
" pyramidal " oz. 40c.	"	1	"	5	} One of the most interesting and useful of climbing plants.
" New Giant pyra'l, oz. 50c.	"	1½	"	10	
" Miles' Spiral.....	"	1	"	10	
" The Prize..... oz. 50c.	"	1	"	10	
" New Dwarf compact.....	"	1	"	10	
" Bird's Improved, oz. 50c.	"	1½	yellow	10	
" Golden Queen.....	"	1	"	10	



*Petunia hybrida robusta.*

NAME.	Hardiness and Duration.	Height in Feet.	Color.	Price per Packet.	OBSERVATIONS.
* <b>Mimulus</b> hybridus.....	hHP	1	various	10	M. moschatus is the well-known Musk Plant.
* " moschatus (Musk Plant)....	"	$\frac{1}{2}$	yellow	10	
<b>Myosotis</b> palustris.....	hP	1	blue	10	Forget-me-not. These beautiful little flowers succeed best in moist situations.
" " alba.....	"	1	white	10	
" dissitiflora.....	"	$\frac{1}{2}$	dk. blue	15	
" alpestris.....	"	spr.	blue	10	Plant of great beauty, blooming profusely in poor soil. The tall varieties are excellent climb- ers for covering old walls, trellises, etc.
<b>Nasturtium</b> King of Tom Thumbs....	hA	1	scarlet	5	
" Tom Thumb, yellow.....	"	1	yellow	5	
" Crystal Palace Gem.....	"	1	sul. spt.	5	
" King Theodore.....	"	1	black	5	
" Ruby King.....	"	1	carmine	5	
" Dwarf, mixed.....oz. 40c.	"	1	various	5	Beautiful Water Lily.
" Tall, mixed.....oz. 20c.	"	6	"	5	
<b>Nelumbium</b> luteum.....	hP	p. r.	yellow	10	Very pretty free blooming dwarf annuals.
<b>Nemophila</b> insignis.....	hA	1	blue	5	
" maculata.....	"	1	spotted	5	Evening Primrose.
" mixed colors.....oz. 40c.	"	2	various	5	
<b>Oenothera</b> .....	hHP	2	"	10	Valuable early Spring blooming plants. Bugnot's Internation- al Pansy is a splendid new strain.
* <b>Pansy</b> , mixed colors.....oz. \$1 50	hP	$\frac{1}{2}$	"	10	
* " finest mixed.....oz. \$10.00	"	$\frac{1}{2}$	"	25	
* " Odier or blotched.....	"	$\frac{1}{2}$	"	15	
* " Emperor William.....	"	$\frac{1}{2}$	blne	15	
" White.....	"	$\frac{1}{2}$	white	15	
" King of the Blacks.....	"	$\frac{1}{2}$	black	15	Passion Flower. Handsome flower spikes. Bronzy purple foliage.
<b>Passiflora</b> coerulea.....	hP	10	various	10	
<b>Pentstemon</b> mixed varieties.....	"	2	blue	10	Beautiful bedding or pot plants, producing a great variety of charming colors and continu- ing in bloom all Summer.
<b>Perilla</b> Nankinensis.....	hHA	2	purple	5	
* <b>Petunia</b> , fine mixed.....oz. 75c.	hHP	2	various	10	
* " finest striped and blotched..	"	2	"	25	
* " double.....	"	2	"	25	The P. Drummondii is one of our very best annuals, noted for richness of color, profuse- ness of blossom, and length of duration in bloom. No gar- den should be without a bed of it.
* " new double, tinged.....	"	2	"	50	
* " Countess of Ellesmere.....	"	2	pr. & W.	5	
* " nyctaginiflora.....	"	2	white	5	
<b>Phlox</b> Drummondii, alba.....	hA	1	"	10	
" " coccinea.....	"	1	scarlet	10	
" " atropurpurea.....	"	1	d. purple	10	Rich and beautiful colors.
" " Black Warrior.....	"	1	d. red	10	
" " Leopoldi.....	"	1	w. er.	10	
" " grandiflora spl.....	"	1	sc. & w.	10	
" " mixed.....oz. 75c.	"	1	various	5	See Dianthus.
<b>Picotee</b> , fine mixed.....	hHP	2	"	25	
" extra choice.....	"	2	"	50	Lovely Spring flower.
* <b>Pink</b> , Chinese, double.....oz. 75c.	hB	1	"	5	
<b>Polyanthus</b> , choice.....	hP	$\frac{1}{2}$	"	25	



*Stipa—Feather Grass.**Ricinus.*

NAME.	Hardiness and Duration.	Height in Feet.	Color.	Price per Packet.	OBSERVATIONS.
<b>Poppy</b> , Pæony flowered .....	hA	1	various	5	Very showy.
English, scarlet .....	"	1	scarlet	5	
<b>Portulaca</b> , Bedmanii .....	hha	1	white	10	This popular annual is unrivaled for brilliancy of color, and is of the easiest culture; the double varieties are especially beautiful, resembling miniature roses in form.
" Pheasantii .....	"	1	salmon	5	
" golden striped .....	"	1	striped	5	
" splendens .....	"	1	purple	5	
" alba .....	"	1	white	5	
" Thellusoni .....	"	1	scarlet	5	
" Thorburnii .....	"	1	yellow	5	
" mixed, single .....	"	1	various	5	Chinese Primrose; is an invaluable and very beautiful class for Spring and Winter, decoration of the greenhouse, conservatory or drawing room. Our seed is from a choice English collection.
" double, finest .....	"	1	"	10	
<b>Primula</b> Sinensis, fringed, red .....	gP	1	red	50	
" " " white .....	"	1	white	50	
" " " striped .....	"	1	striped	50	
" " " mixed .....	"	1	various	50	
" " double white .....	"	1	white	75	
" " " red .....	"	1	red	75	The Insect Powder Plant. Valuable as bedding plants.
" " " mixed .....	"	1	mixed	75	
* <b>Pryethrum</b> carneum .....	hP	1	flesh	10	
* " Golden Feather .....	"	1	yellow	10	Free flowering fragrant perennials.
* " " Gem .....	"	1	"	10	
<b>Rocket</b> , Sweet, white .....	"	2	white	5	
" purple .....	"	2	purple	5	Stately plants, with large, handsome foliage; fine in groups or as single specimens.
" mixed .....	"	2	mixed	5	
<b>Ricinus</b> Borboniensis arboreus .....	hha	15	violet	5	
" Duchess of Edinburgh .....	"	8	"	5	Very beautiful annual.
" Gibsoni .....	"	5	red fol.	5	
" sanguineus .....	"	8	"	5	
" mixed varieties .....	"	—	various	5	Splendid free flowering ornamental plants.
<b>Salpiglossis</b> , mixed .....	hha	1	"	5	
<b>Salvia</b> splendens .....	hhP	3	scarlet	10	
" alba .....	"	3	white	25	Free blooming trailing plant. Pretty, compact growing plant.
" patens .....	"	3	blue	25	
<b>Sanvitalia</b> , procumbens fl. pl. ....	hA	spr.	yellow	5	
<b>Saponaria</b> calabrica .....	"	1	pink	5	Sweet Scabiosa, very pretty, useful for bouquets.
* <b>Scabiosa</b> , dwarf double .....	hB	1	various	5	
* " candidissima .....	"	2	white	5	
<b>Sensitive</b> Plant .....	tA	1	pink	5	Curious and interesting.
<b>Silene</b> pendula compacta .....	Ah	1	"	5	Charming dwarf compact plant.
<b>Smilax</b> (Myrsiphyllum) .....	gP	6	white	10	Charming greenhouse climber.
<b>Snapdragon</b> .....	"	"	"	"	See Antirrhinum.
<b>Solanum</b> capsicastrum .....	hhP	1	sc. fruit	10	Ornamental fruit bearing plants, charming as pot plants.
" Weatherill's hybrids .....	hha	div.	various	10	



*Tropaeolum.**Verbena.*

NAME.	Hardiness and Duration.	Height in Feet.	Color.	Price per Packet.	OBSERVATIONS.
<b>Stock</b> , German, Ten Weeks, mixed....	hha	1	various	5	These much admired, fragrant flowers are everywhere popular, their handsome spikes of double flowers lasting a long time in bloom. Desirable for pot culture or bedding. Seed may be sown at any time. For outdoor culture transplant when small; plant in rich soil, with mixture of lime and rubbish.
" " large, flowering.....	"	1	"	10	
" " dwarf pyramidal.....	"	1	"	15	
" " pure white.....	"	1	white	15	
" " blood red.....	"	1	d. red	15	
" " canary-yellow.....	"	1	yellow	15	
" " Wallflower leaved.....	"	2	various	10	
" Intermediate, white.....	hhb	2	white	10	
" " crimson.....	"	2	crimson	10	
" Brompton, or Winter.....	"	2	mixed	10	
" Emperor, or Perpetual.....	hhp	2	"	10	
<b>Sweet William</b> , auricula flowered...	hp	1½	"	5	Very beautiful hardy perennials.
" " double mixed.....	"	1	"	5	
<b>Sweet Pea</b> , white.....	ha	5	white	5	
" scarlet.....	"	5	scarlet	5	
" black.....	"	5	black	5	
" striped.....	"	5	striped	5	
" Painted Lady.....	"	5	ro. & w.	5	
" Butterfly.....	"	5	wh. & bl.	5	
" Violet Queen.....	"	5	violet	5	
" mixed.....oz. 20c.	"	5	various	5	
<b>Tacsonia</b> Van Volxemii.....	gp	6	scarlet	25	Splendid greenhouse climber. Excellent for bedding.
<b>Tagetes</b> pumila.....	ha	1	yellow	5	Slender, rapid growing climbers with very pretty flowers, which are freely produced.
<b>Thunbergia</b> alata.....	hha	5	buff	5	
" alba.....	"	5	white	5	
" Freyeri.....	"	5	orange	5	Charming pot plants of easy culture.
" mixed.....	"	5	various	5	
* <b>Torenia</b> Bailloni.....	hhb	1	yellow	15	Red-hot Poker Plant.
* " Fournieri.....	"	1	blue	15	
<b>Tritoma</b> Uvaria.....	hhp	4	red	10	Brilliant climbing plants for verandas, trellises, large vases, etc.
<b>Tropæolum</b> Lobbianum.....oz. 75c.	hha	6	various	10	
" Spitfire.....	"	6	scarlet	10	
" peregrinum can. b. fl....	"	10	yellow	10	The Verbena is deservedly a universal favorite. The seed of the finest mixed is from the finest flowers in cultivation.
* <b>Verbena</b> , fine mixed.....oz. \$2.00	hhp	spr.	various	10	
* " finest mixed.....oz. \$5.00	"	"	"	15	
* " scarlet.....	"	"	scarlet	10	
* " white.....	"	"	white	10	Fine as pot plants in Winter, or for the border in Summer.
* <b>Vinca</b> alba.....	tp	2	"	10	
* " rosea.....	"	2	rose	10	
* " alba oculata.....	"	2	d. eye	10	Delightfully fragrant.
* <b>Violet</b> , sweet-scented.....	hp	1	blue	10	
* " The Czar.....	"	1	"	15	An old-fashioned fragrant flower
<b>Wallflower</b> , single.....	hhp	2	mixed	5	
" double.....	"	2	"	10	Pretty bell-shaped flowers.
* <b>Whitlavia</b> grandiflora.....	ha	1	purple	5	
" gloxinoides.....	"	1	b. & w.	5	Fine stately plants with immense leaves.
* <b>Wigandia</b> caracasana.....	hhp	8	lilac	10	
" imperialis.....	"	8	blue	10	Brilliant flowers of many shades of color.
<b>Zinnia</b> elegans, double.....oz. 50c.	hha	2	mixed	5	
" Haageana fl. pl.....	"	1	orange	10	



## A General Fertilizer Suitable for Every Crop.

Stands ahead of anything in the market in Analysis, Selling Price and Results. The Great Satisfaction this Fertilizer has given our Customers, being so universal, enables us to recommend it as the Leading Artificial Manure in the Market.

# "SWIFT-SURE" PHOSPHATE

BEST FERTILIZER EVER MANUFACTURED.

### GUARANTEED ANALYSIS.

Ammonia .....	3 to 5 per cent.	Soluble and Precipitated Phosphoric Acid,	9 to 11 per cent.
Potash .....	4 to 6 per cent.	Insoluble Phosphoric Acid .....	5 to 6 per cent.
Per ton (10 bags), \$33.00; per bag (200 lbs), \$3.50.			

# "Swift-Sure" Super-Phosphate

FOR POTATOES.

Nearly every farmer grows Potatoes, and consequently is, with the trucker and market gardener, interested in buying that fertilizer which, for the least cash outlay, will bring him the best returns; as it is no longer a question, but an actual fact, that with a Potato Manure made from first-class material, like our "SWIFT-SURE" SUPER-PHOSPHATE FOR POTATOES, you can grow a larger crop of Potatoes than you can with barnyard manure, and have them smoother, freer from imperfections, and of more uniform size.

### GUARANTEED ANALYSIS.

Ammonia.....	3 to 4 per cent.
Soluble and Precipitated Phosphoric Acid.....	9 to 12 "
Insoluble Phosphoric Acid.....	5 to 6 "

Per ton (10 bags), \$33.00; per bag (200 lbs.), \$3.50.

# Muzzy Brothers' Guano

FOR TOMATOES, TRUCK AND CORN.

### GUARANTEED ANALYSIS.

Ammonia .....	2 to 3 per cent.
Avail Phosphoric Acid .....	8 to 9 per cent.
Potash (actual) .....	5 to 6 per cent.

This Guano is also made from excellent materials, and while not so high a grade as our "Swift-Sure," neither does it cost as much. **TRY IT!**

Per ton (10 bags), \$28.00; per bag (200 lbs.), \$3.00.

# Muzzy Brothers' Special Fertilizer

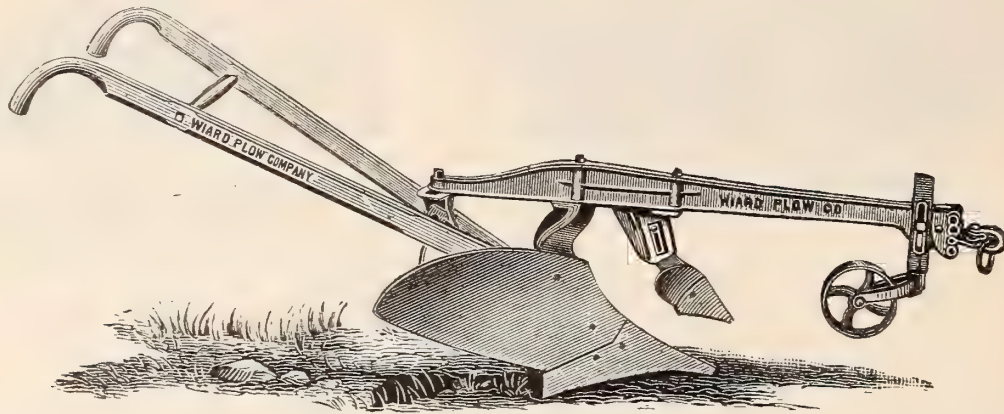
FOR GENERAL CROPS.

Analysis: Ammonia, 3 to 4 per cent. Phosphoric Acid, 10 to 12 per cent. Potash, 4 to 6 per cent. An excellent Fertilizer for General Crops. Per ton, \$31.00; per bag, \$3.25.



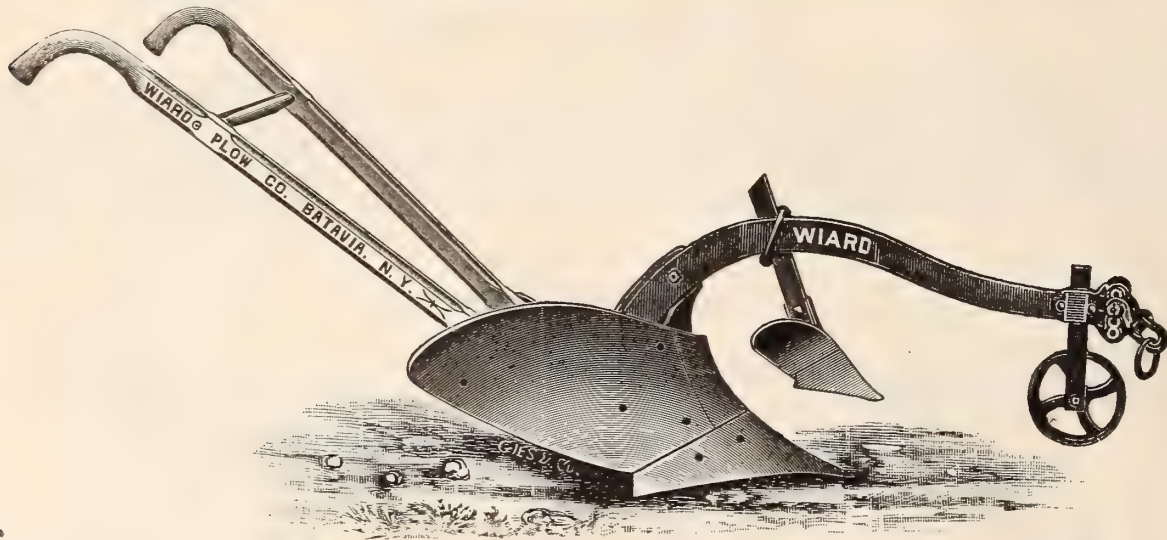
# THE WIARD PLOW

**With Malleable Iron or Wood Beam. New Automatic Wheel and either Steel or Chilled Mold-Board. The Strongest Plow of its Weight in the World**



- No. 17. Two-Horse Wooden Beam, Full Rigged, Chilled Mold-Board .....Price \$12 00  
 No. 17. Two-Horse Malleable Iron Beam, Full Rigged, Chilled Mold-Board.....Price, \$13 00  
 Steel Mold-Board, \$1.00 extra.

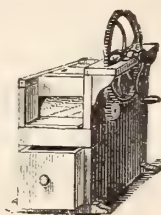
## The Latest and Cheapest Steam Seam Plow.



- No. 72. Two-Horse, Right Hand .....\$12 00  
 Forged Steel Beam, Double Pointed Jointer, Scotch Clevis, Handles raise and lower, Wheel-adjusts to either side of Beam. Weight with Clevis is about 128 pounds. Can be rigged with Colter instead of Jointer if wanted.  
 Look at the price, only \$12 00 full rigged with chilled Mold-Board.  
 No. 62. Small One-Horse, Wood Beam, with Clevis only .....\$4 00  
 No. 13. Light One-Horse Wood Beam, with Clevis, only .....\$5 50



**Keystone Corn Planter**



**Horse Radish Grater**



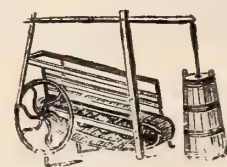
**Union Cider Mill**



**Store Truck**



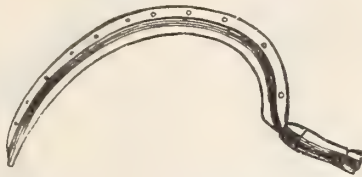
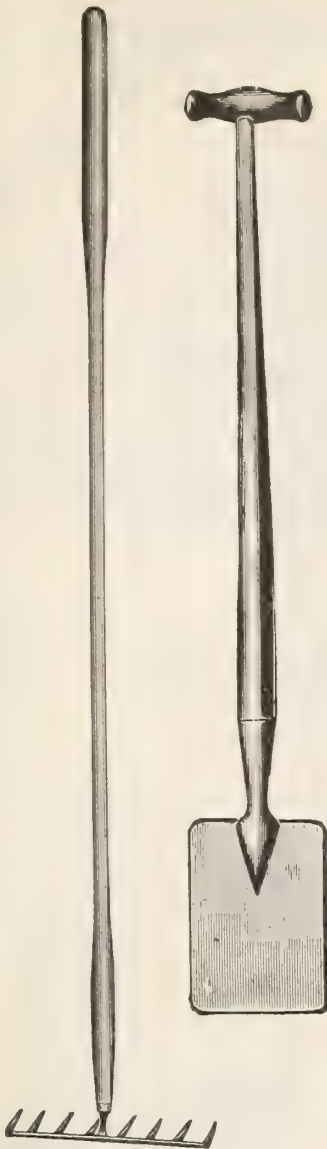
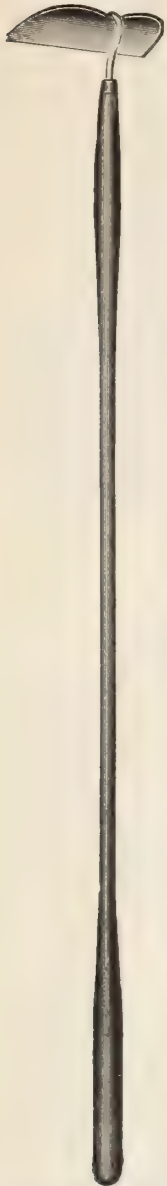
**Double Whiffletree**



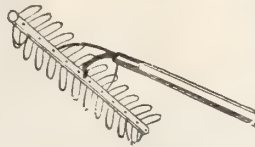
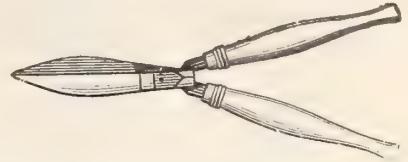
**Dog Power for Churning**



## GARDEN REQUISITES.



**English Grass Hooks. Grass or Hedge Shears**  
25 to 40 cents. \$1.00 to \$2.50



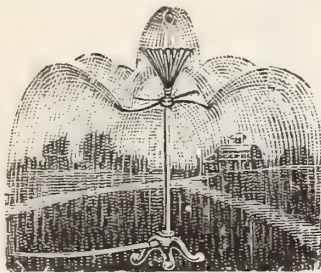
**Lawn Rake.**  
35c.



**Garden Syringe.**  
50c and upwards.



**Pruning Saws**  
18c to 70c.



**Lawn Sprinkler**  
35c to \$2.00



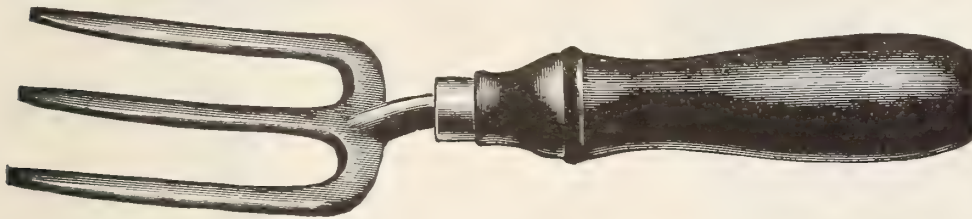
**Patent Sprinkler.**  
50 cents.



**Pruning Shears.**  
25 cents.

**Dibble, Iron Handle,**..... 25c  
This tool is indispensable for planting small roots and plants; once tried, the gardener will never dispense with it.

**Floral Sets,** 10c, 25c, 50c, 75c, \$1.00



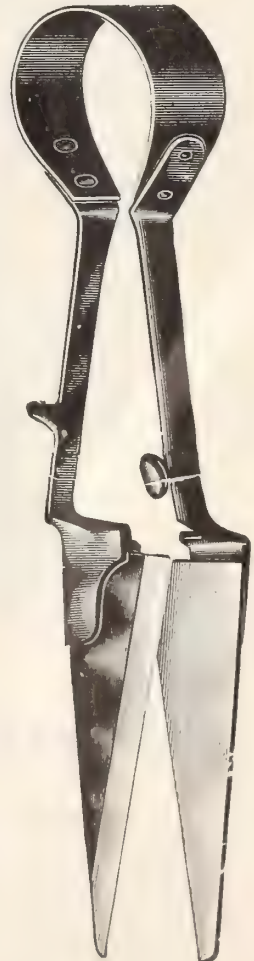
**Strawberry or Spading Forks,** ..... 5 and 10 cents

**Fruit Pickers,** Do not bruise fruit, , 35c

**Excelsior Weeder,**..... 5c



**Trowel.**  
3c, 5c and 10c.



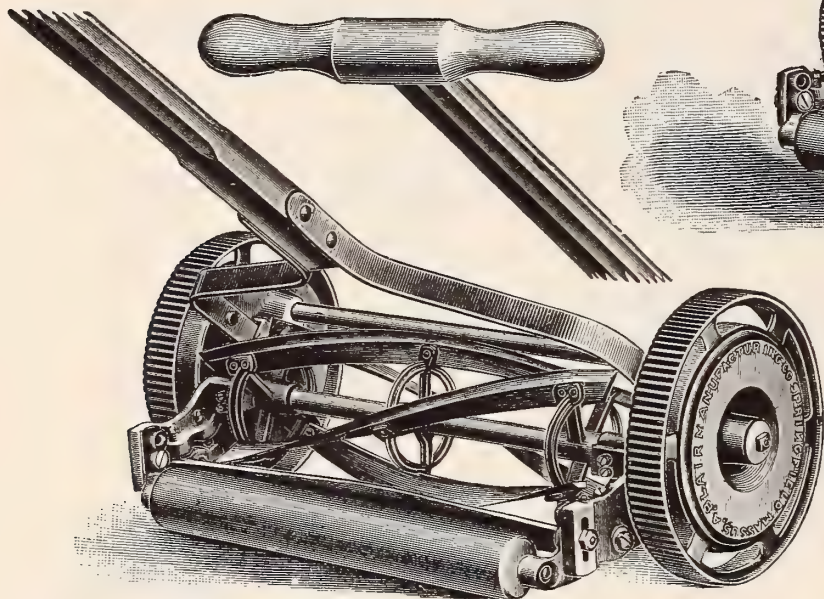
**Grass Shears.**  
25 cents.



## THE "MUZZY" LAWN MOWER

Is one of the best  
Mowers manufactured.

Price, all sizes . . . . \$2.98

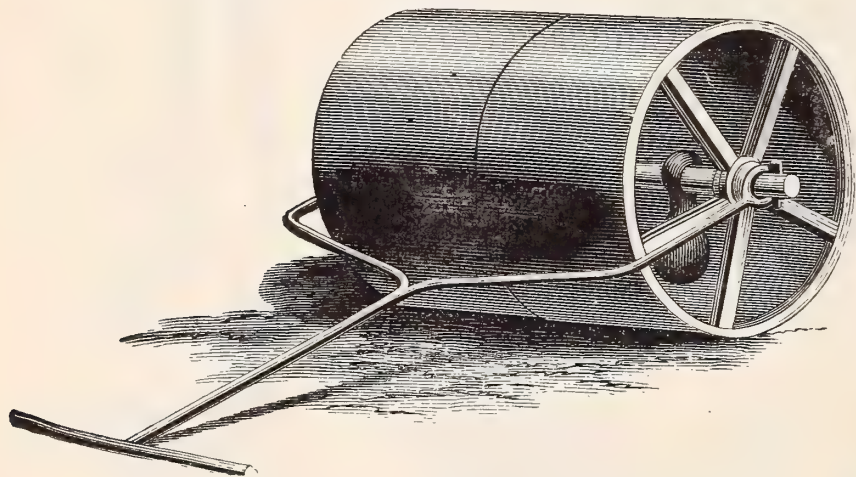


*Muzzy High Wheel Lawn Mower*

## THE "PATERSON" LAWN MOWER

A Cheap Mower, Giving Satisfaction.

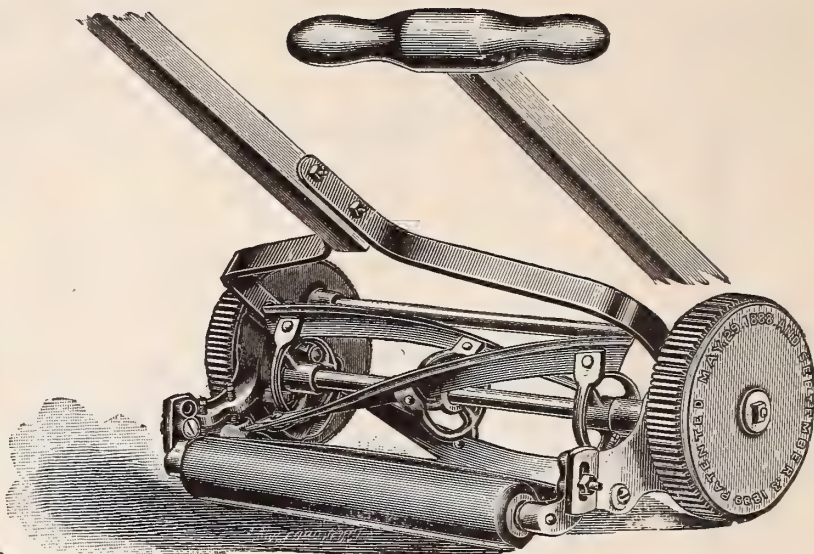
Prices, all sizes, 8 inch wheels . . . . \$2 49



## Garden Roller

With Weights to Keep Handle Erect.

Weight about					
2	Sections, each	7½ in. face by 15 in. diam	150 lbs.	\$8 00	
2	"	10 " " 20 "	250 "	12 00	
1	"	20 " " 20 "	250 "	12 00	
3	"	8 " " 20 "	300 "	15 00	
3	"	10 " " 20 "	350 "	18 00	
2	"	10 " " 24 "	400 "	20 00	
3	"	10 " " 24 "	500 "	25 00	
3	"	10 " " 28 "	600 "	30 00	



*Muzzy Lawn Mower.*

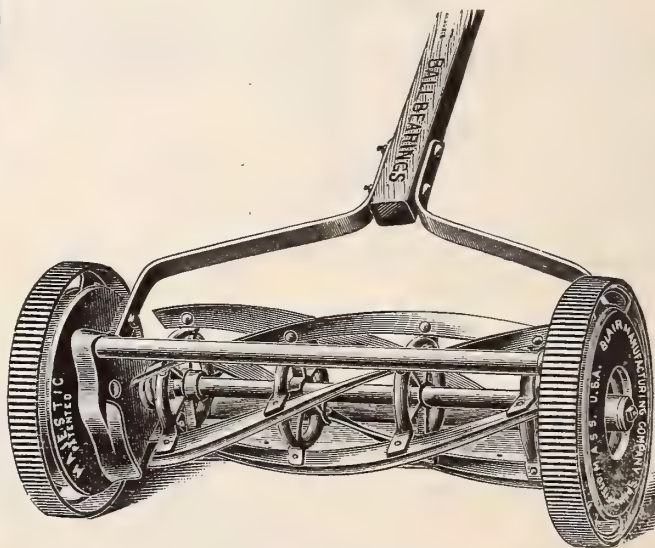
## The Muzzy HIGH WHEEL LAWN MOWER

For High Grass.

Price, 14 inches	\$5 50
" 16 "	5 75
" 18 "	6 00
" 20 "	6 75



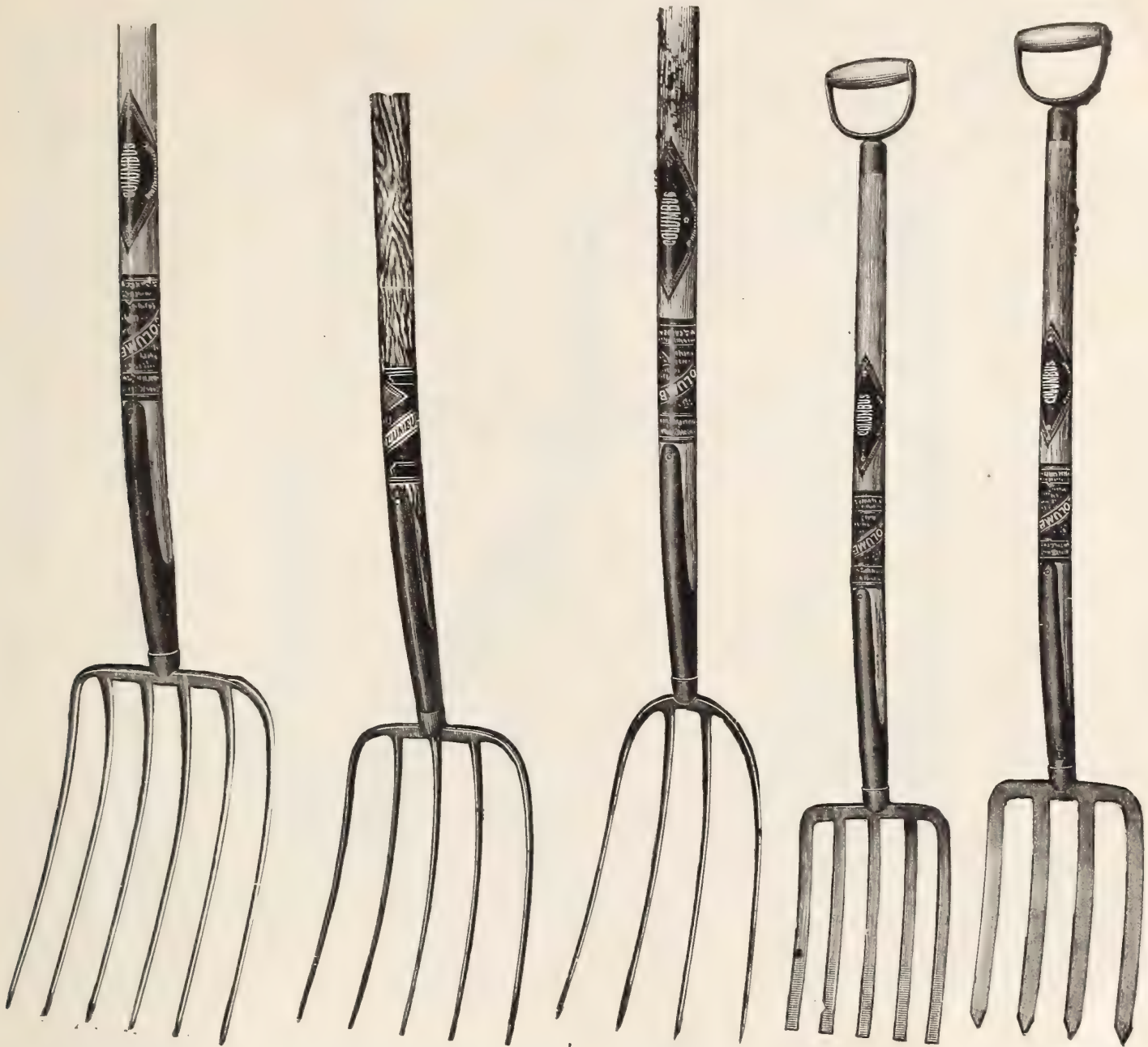
*The Paterson Mower.*



## "MUZZY" BALL BEARING MOWER

Price, 16 inches	\$6 50
" 18 "	7 50
" 20 "	8 50
" 25 "	11 00





Six Tine Manure Fork,  
Strapped, 95c.

Five Tine Manure Fork,  
Strapped, 85c.

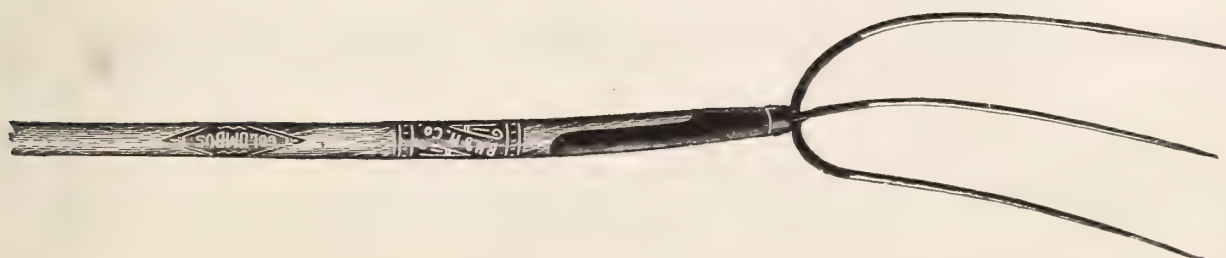
Four Tine Manure  
Fork, Strapped, 65c,  
Plain, 45c.

Five Tine Spading  
Fork, Strapped, 90c.

Four Tine Spading  
Fork, Strapped, 75c  
Plain, 50c.



Two Tine Hay  
Fork. 5 foot  
Handle, 35c.



Three Tine  
Hay Fork,  
5 foot handle,  
plain, 40c.  
Strapped, 50c.

5½ foot handle,  
plain, 45c.  
Strapped, 50c.





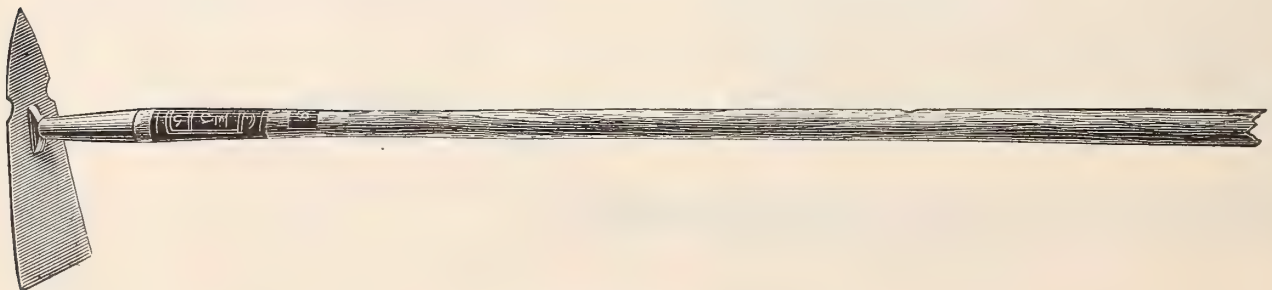
10 Tine Cast Steel Rake, Plain, 35c.  
 12 " " " " " 40c.  
 14 " " " " " 45c.  
 16 " " " " " 50c.

10 Tine Malleable Rake, 18c.  
 12 " " " " " 20c.  
 14 " " " " " 25c.

Two Prong Onion Hoe, 25c.

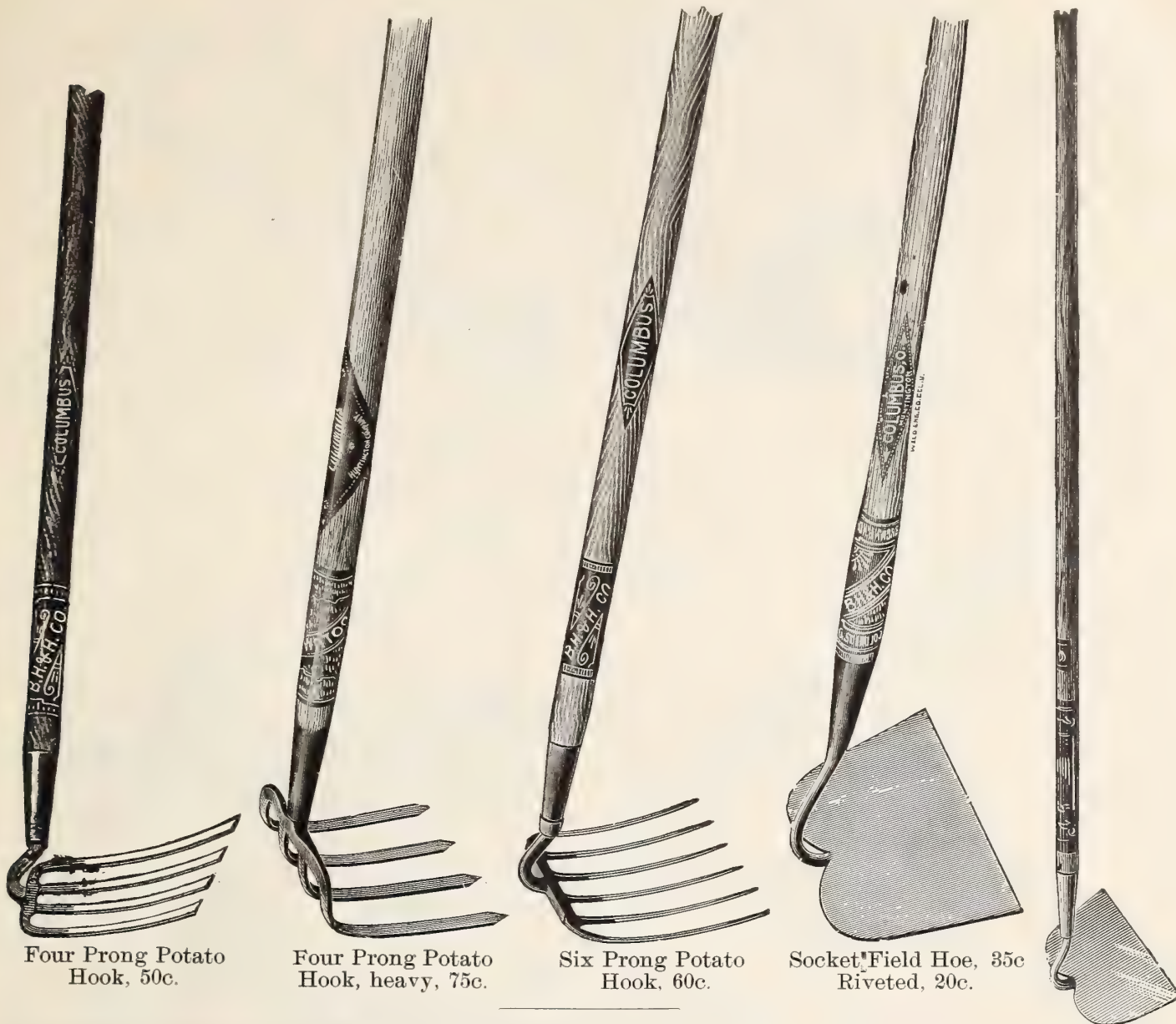


Four Prong Weeding Hoe, Cast Steel, 30c.  
 Four Prong Weeding Hoe, Malleable, 25c.  
 Six " " " " 25c.



One Prong Onion Hoe, 25c.





Four Prong Potato Hook, 50c.

Four Prong Potato Hook, heavy, 75c.

Six Prong Potato Hook, 60c.

Socket Field Hoe, 35c Riveted, 20c.

Ladies' Hoe 25c

## LONG AND SHORT HANDLE SHOVELS AND SPADES.

### THE OLE OLSEN LAWN RAKE.

(PATENT APPLIED FOR)

Is made on Scientific Principles combining Lightness, Neatness—Strength and Durability.

**A Leading Seller for 1904.**

The knob on end of teeth, set by our patent process, absolutely prevents the teeth from dropping out.

**Note particularly curved head. Teeth are close set and clinched.**

Price 50c.



The **Curved Head** admits of only four to six teeth coming in contact with the surface of the lawn, the teeth on either side of the center performing their work perfectly, without touching or tearing up the lawn. This feature makes the Ole Olsen Rake unapproachable for light draught; also the head being curved, in raking throws the materials toward center of rake and makes it easy to handle. The Rakes are also furnished when desired with **Straight Heads.**

The **Teeth** are made of extra selected stock, and so constructed that when driven into the head they will **never shrink from place and cannot fall out.** They have an even taper, and in use acquire a high polish. They cannot bend, and therefore will not clog and bind like a metal tooth.

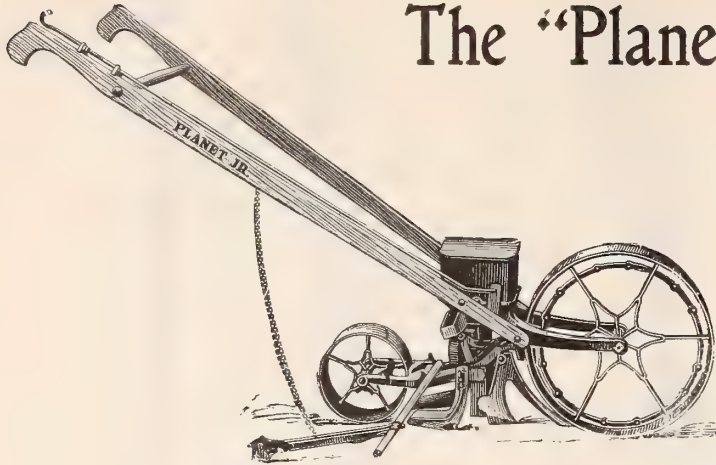


# The "Planet Jr." Garden Seed Drills

"Planet Jr." No. 5.

MARKET GARDENER'S HILL DROPPING  
SEED DRILL.

Price, - - \$12.50



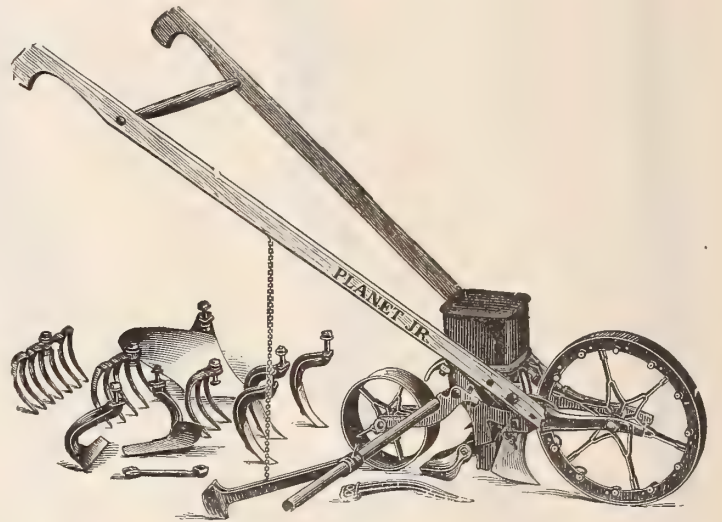
"Planet Jr." No. 4.

HILL DROPPING SEED DRILL, HOE,  
CULTIVATOR, RAKE AND PLOW.

Price complete, - - - \$10.00  
" as a drill only, - - - 8.00

We are pleased to offer for 1904 a new combined tool of great excellence, which we can scarcely recommend too highly. It combines conveniently in a single garden implement a capital hill dropping and a continuous row seeder with the most perfect and complete wheel hoe, cultivator, rake and plow that the most practical can desire. Designed by a practical man, it is light, compact, durable and easy running, and does all its great variety of work with a thoroughness and perfection that has never before been attempted, much less equaled.

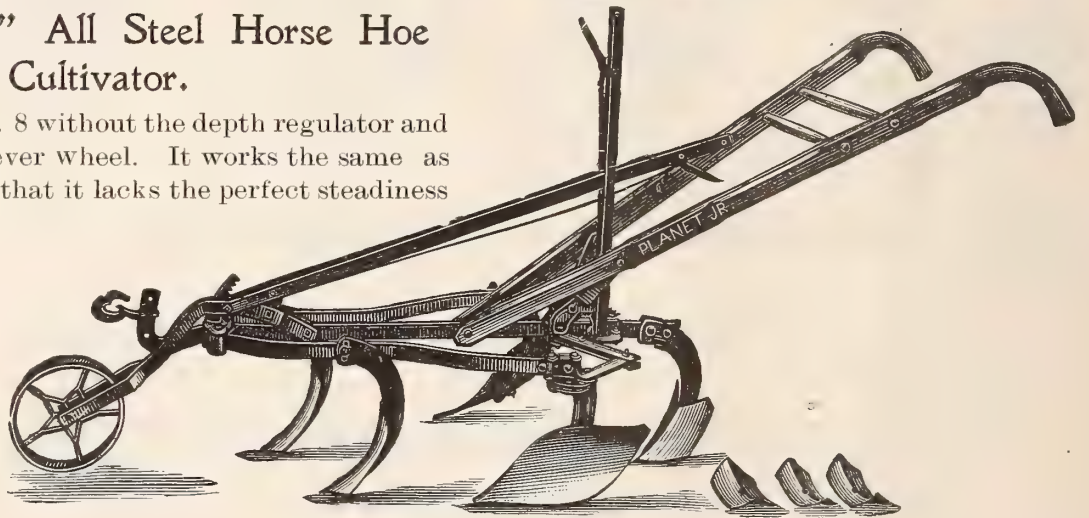
**A Good Drill** Is one of the most important of all the market gardener's tools, and is often invaluable to the farmer. It "pays at both ends;" it saves labor, and seed in planting, work and worry in hoeing, and makes a larger and more even crop.



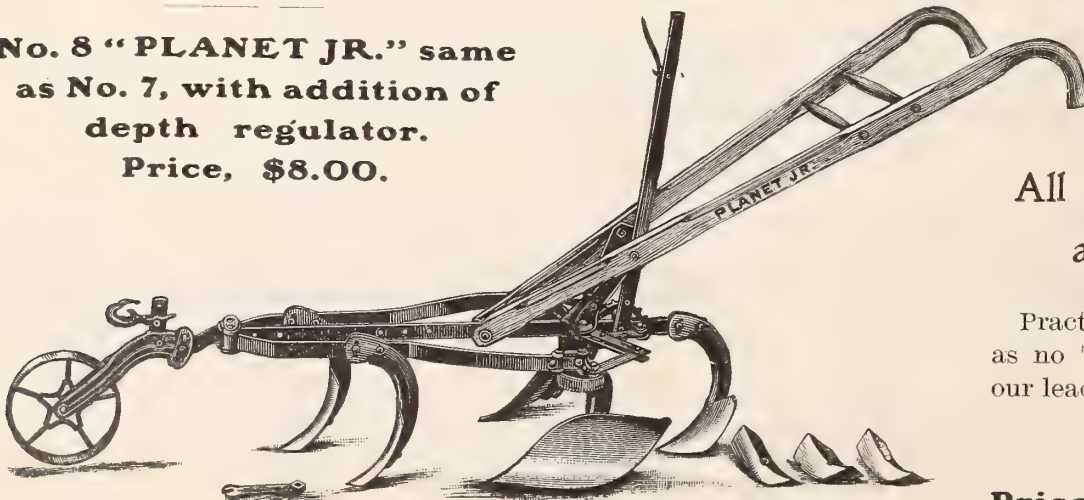
## No. 7 "Planet Jr." All Steel Horse Hoe and Cultivator.

*This Horse Hoe* is the No. 8 without the depth regulator and with a slightly different lever wheel. It works the same as No. 8 in every way, except that it lacks the perfect steadiness and absolute control of depth made possible by the depth regulator.

**No. 7 Horse Hoe,**  
**Price, with a t-**  
**attachments as in**  
**cut, . . . \$7.50**



**No. 8 "PLANET JR." same**  
**as No. 7, with addition of**  
**depth regulator.**  
**Price, \$8.00.**



No. 5  
"Planet Jr."

All Steel Horse Hoe  
and Cultivator.

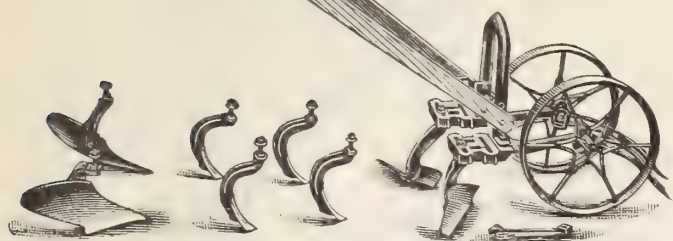
Practically the same implement as no 7, except wheel lever; it is our leader.

Price, - - \$6.00



**"PLANET JR." No. 12**

**Double Wheel Hoe,  
Cultivator  
and Plow.**



The "Planet Jr." Double Wheel Hoe is a great favorite, especially for field work. It hoes both sides of the row at once at the speed of a moderate walk.

A wheel hoe should be double or at least be capable of hoeing both sides of a row at one passage. Any inequalities can be accurately followed when straddling but one row, while between two the tool must work the narrowest points, and therefore be quite too narrow for the wider parts; nor can a person watch two rows and work them as closely as one, even if planted accurately.

**PRICE, - - \$6.50**

**"Planet Jr." No. 17.**

**Cultivator and Large Garden Plow.**

**SINGLE WHEEL HOES**

**SINGLE** Wheel Hoes are lighter than the double, but do almost the same variety of work, though in a different way, being used mostly between the rows instead of straddling them. Yet by attaching the wheel to the other side of the arm, No. 17 can be used to hoe both sides of the row at once while the plants are small—the most important time.

For 1904 we offer our latest Wheel Hoes, as the highest type of their class, superior to any of the old styles. They have the greatest variety of tools we have ever offered. These adapt the implements to a greater variety of crops, and to work at many different distances apart; there is scarcely any garden culture of which they are not capable.

The Handles are adjustable in height. The frame is convenient and strong, with quick change device, which permits the tools to be changed without removing the nuts. This device is used on both our double and single wheel hoe frames. The Wheel can readily be changed in height and to the far side of the frame to hoe "both sides at once."



**Price, Complete, - - - \$4.50.**

**The "PLANET JR." Twelve-Tooth Harrow, Cultivator and Pulverizer.**

**Price, Plain, \$5.30; with wheels, \$6.40; complete, \$8.**

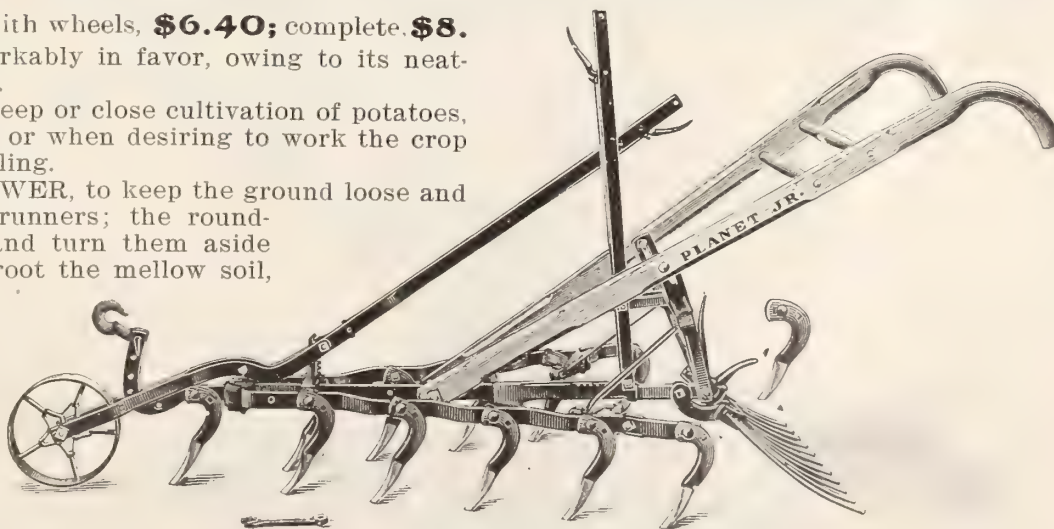
This tool has grown remarkably in favor, owing to its neatness and perfect work.

**THE FARMER** uses it in deep or close cultivation of potatoes, corn, etc., when small, or when desiring to work the crop thoroughly without hilling.

**THE STRAWBERRY GROWER**, to keep the ground loose and to work up and bed the runners; the round-throated teeth lift them and turn them aside without injury; ready to root the mellow soil, which is thoroughly prepared by the numerous small teeth.

**THE BEAN RAISER** uses it while the crop is small with the greatest satisfaction and benefit, and all through the season it is invaluable.

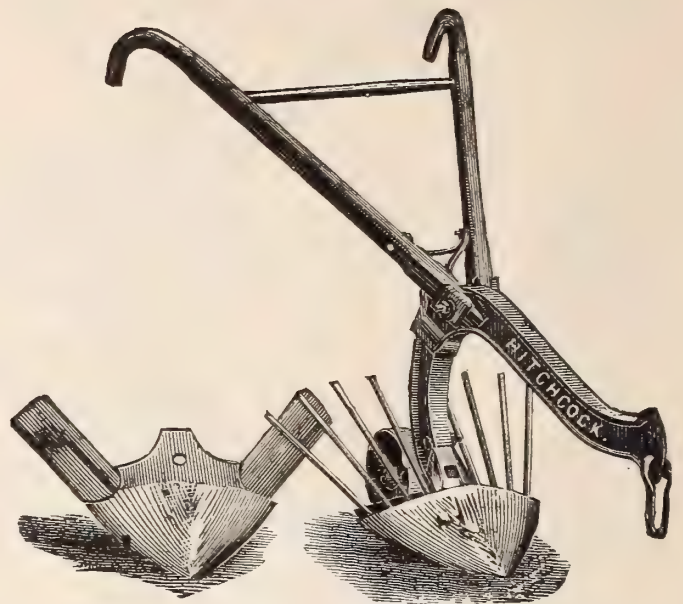
**THE MARKET GARDENER** finds it the most useful one-horse tool he owns. It narrows in an instant or widens. Cuts deep or shallow, is thorough but gentle in its action, steady running, and is useful everywhere.





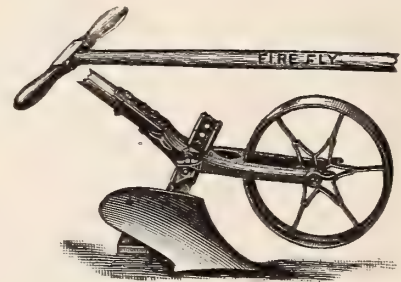
**MOUNTED GRINDSTONE.****Solid Steel Frame, with Seat, \$3.98**

This implement, though very simple in appearance, is the result of much study and many experiments; and it is as near perfect as can be attained and come within the reach of every farmer. The sale of several thousand during the past few years proves it a success. By the changing of one bolt it may be converted either into a **SHOVEL PLOW**, or **POTATO DIGGER**. The fingers are adjustable, being held in position by the plow point. Thus, in case of breakage, a new part may be inserted without the expense of a whole new head. The fingers, points and wings are made of steel, rendering it light, strong and durable.

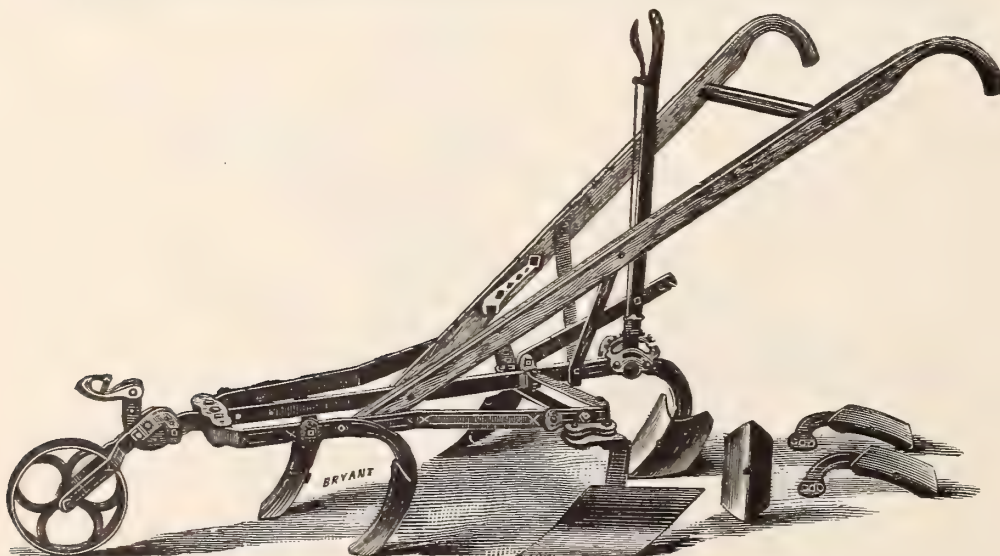
**Hitchcock Potato Digger and Shovel Plow Combined.**

Patented Dec. 23, 1884.

**Price, Potato Digger, \$7.00.**  
**Combined with Shovel Plow, \$9.**

**Fire-Fly Garden Plow.****Price, \$2.25**

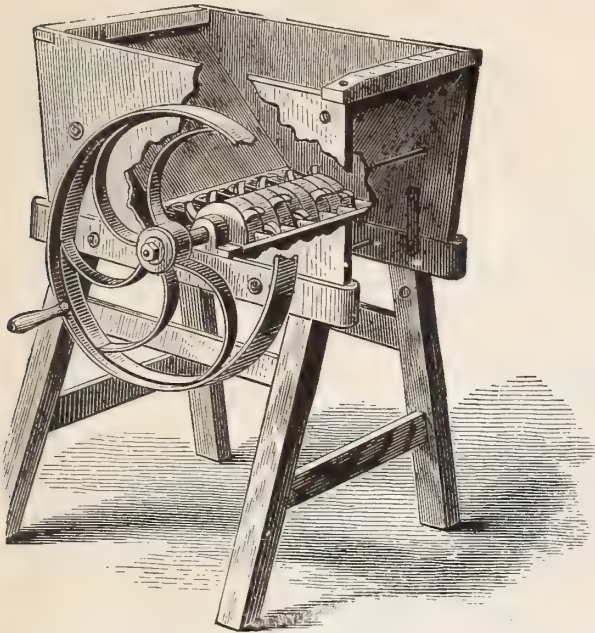
Packed weight 13 pounds.

**Dixie Cultivator and Horse Hoe Combined.**

Steel Frame, two Levers and Wheel, Double Standard.....\$6 00  
 Steel Frame, one Lever and Wheel, " " ..... 5 50

This Tool is Exceedingly Useful to owners of small gardens. It will throw a furrow four to six inches wide and one to three inches deep. Furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed and plow back again. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken Raisers find it of great advantage in plowing up their scratching yards.





## The Champion Vegetable Cutter.

No. 1. Weight 120 lbs., for Hand Power. Price, \$9.50  
 No. 2. With pulleys, for Horse Power. Price, \$18.00.

This machine is simple in construction, strong and durable, and prepares Pumpkins, Turnips, Beets, Carrots, etc., so as to be fed to stock without danger of choking them. The machine will cut by hand from one to two bushels per minute. The hooked teeth are upon rings that are easily put upon the shaft, and furnished, when required, at 30 cts. each.

## Grape and Apple Grinder.

This Grinder is well adapted to grind any Fruit, particularly Grapes, separating seeds from the pulp, and large enough to grind 4 to 6 bushels of Grapes in one hour. Has Steel Pins firmly fastened in Wood Roller, also on both sides of the box; no berries can escape.

Made in Oak Wood, Varnished, Galvanized Iron parts. Top of Box or Hopper is 16 in. x 9½ in. The cross arms are 25 in. long. Inside Roller 5½ in. x 7½ in.

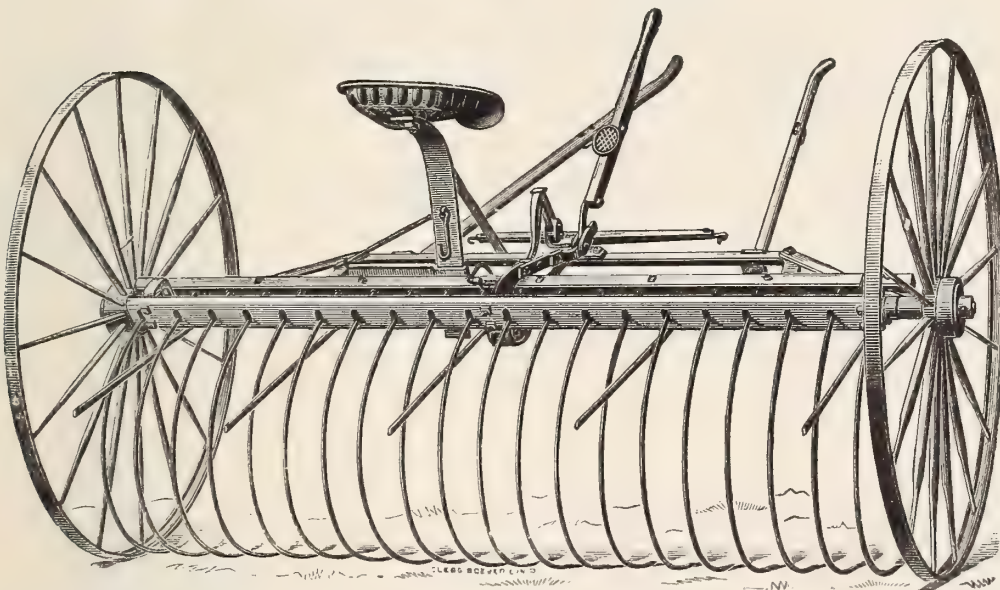
**Price \$2.98.**

## Grape or Berry Mill.

This Mill is used for Crushing and Grinding of Grapes and Berries. Has two large Corrugated Rollers inside, and capable of grinding from 8 to 10 bushels of Grapes, Berries, etc., in one hour. Size of Corrugated Rollers, each 9 in. x 4½ in. Cross arms 29 in. long and 15 in. wide. In Oak Wood, Varnished.

The iron Wheel is 13 in. diameter and weighs 20 lbs., and iron cog wheels. Iron work is painted black.

**Price, \$4.98.**



**Points of Superiority  
 Embodied in the**

## All Metal "Ohio" Self-Dump Rake.

1. Tubular thills or shafts gracefully curved to insure greatest comfort to horse. Adjustable for one or two horses. 2. Metal platform, firmly riveted together; no bolts to get loose or platform to rot, warp or become shaky. 3. Spring steel seat support, with extra large comfortable steel seat, making it a pleasure to ride. 4. Powerful steel angle cleaner bar, able to stand the severe strain to which it will be subjected. The rake will never sag, as the steel will be just as good and strong after five or ten years' service as when new. 5. Tempered oval steel cleaners fastened in cleaner bar with nut. They will not break or pull out. 6. Flanged steel tooth guide and angle steel head. No splitting or warping. 7. Solid lump wheel, with our old reliable lifting latch, which can not be equalled for efficiency. 8. Steel wheel, with 1¾ inch tire, 16 spokes. Our own make. 9. A divided lever, which obviates all danger to the operator. 10. A convenient hand-dumping lever to be used when needed. 11. A lever connection with five changes for different heights of teeth to suit any kind of work. 12. The trip chain is convenient for children, so that any boy or girl, who can drive a horse, can use the Rake.

Made in three sizes, 8, 10 and 12 foot, and with teeth three or four inches apart.

**Price, \$20.00 Granger King, Not Self-Dump, With Steel Wheel, \$18.00  
 No. 16 Tiger Hay Tedder, \$32.00. Best Make in the Market.**



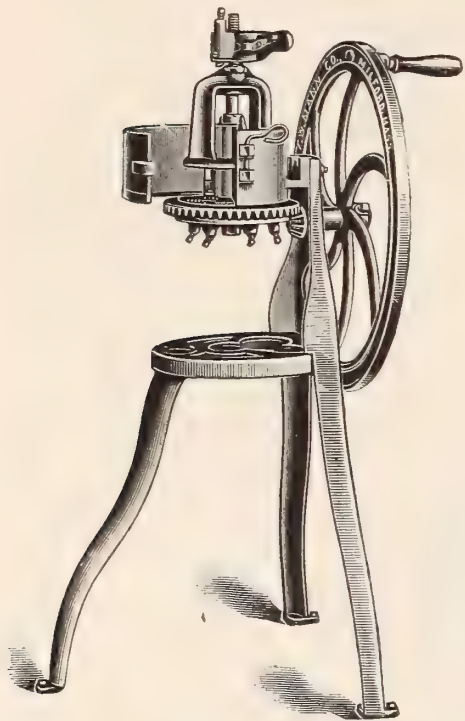
## The New Model Seed Drill.

The Most Perfect Drill in America.

Price, \$6.98.

The record of the "New Model" has been so entirely satisfactory, and its place as one of the leading drills has become so firmly established, that we are almost tempted to discard the word "New." It is surprising to see how quickly it has been adopted by the seedmen and market gardeners as an old friend.

F. W. Mann Co's  
Patent Bone Cutters.



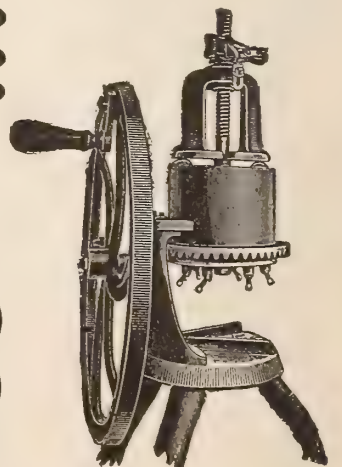
No. 7.

without injury to the knives. These knives retain a good cutting edge, without grinding, for two or three months of ordinary use. They are adjustable to cut finer or coarser, can be easily removed when dull, and can be sharpened on a common grindstone, the same as a carpenter's chisel.

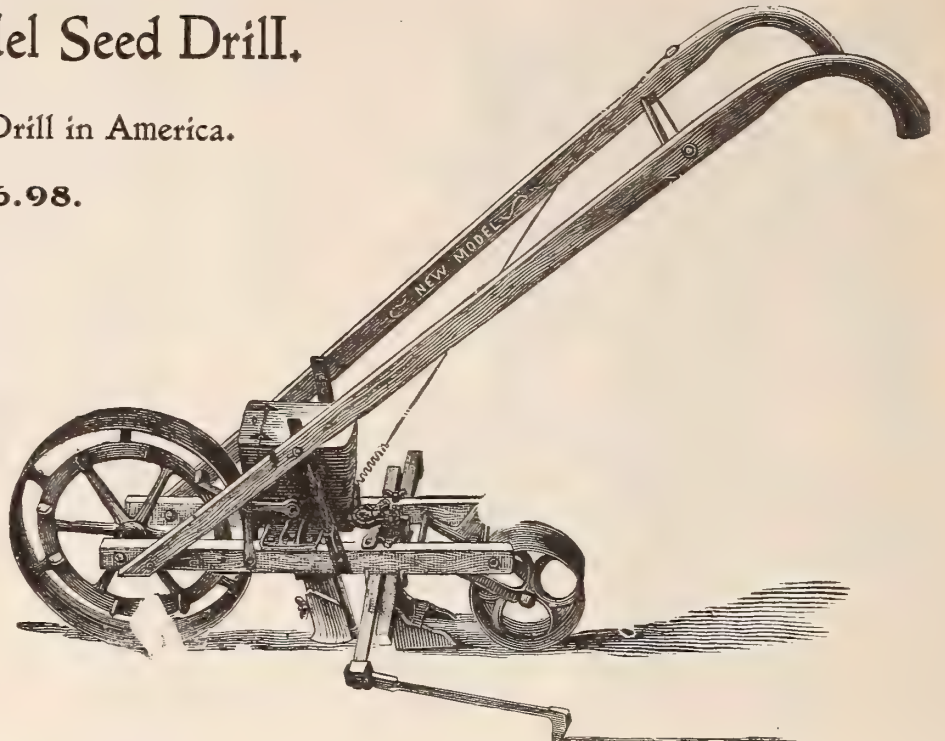
Price, No. 5, B.....	\$8.00
" " 5, B. M. (With legs).....	10.40
" " 7 (With legs) .....	12.00

## CIDER MILLS.

Junior,	-	-	-	-	-	\$13.00
Medium,	-	-	-	-	-	17.50
Senior,	-	-	-	-	-	21.00



No. 5 B.



Are absolutely the first Bone Cutters ever sold to the public, and they are by far the most successful hand and power machine on the market today for cutting up green bones.

### Original Invention.

Nine years of practical use among poultrymen has only served to increase their popularity and prove their necessity.

### Old Methods a Failure.

Before the advent of the Mann Cutter, bones for poultry food were broken up with a hammer or reduced in mills constructed with chilled or cast-iron plates. This process, while possible with burned or thoroughly dried bones, was a total failure for bones as they come from the market.

### Corrugated Knives.

Our machine introduced for the first time corrugated knives of the finest tool steel, accurately tempered, which enable us to cut the hardest bone, either dry or fresh from the market, with ease and



## Wine and Cider Presses.

Diameter of Tub.

No. 1,	10 inches .....	\$3 25
No. 2,	12 inches .....	3 98
No. 2½,	.....	5 25
No. 3,	15 inches .....	5 75

## THE "HUTCHINSON" CIDER MILL.

No. 0 .....	Price, \$7 50
No. 1 .....	Price, \$8 50
Hutchinson Grinder .....	Price, \$7 00

The Grinder No. 0 is the same size as No. 1, but the curb is smaller. The No. 1 will easily grind ten bushels of apples or twelve of grapes per hour. The curb will contain the pomace of one and a half bushels of apples.

## Combined Barrel, Truck and Hand Cart

When we consider the almost innumerable uses to which our combined Truck and Hand Cart can be applied, its "handiness," and the immense amount of time and hard labor saved by its use, it is not a matter of surprise that it is steadily growing into popular favor. It is one of those articles that causes the user to wonder how he ever did without it, as it really becomes indispensable when once used.

The barrel is raised from the place desired, and instantly detached, all without handling. The weight being balanced over the axle, no lifting or down pressure is needed in transportation.

Other barrels for various purposes can be used as needed, extra trunnions being furnished, if desired, which can be readily attached to any oil or spirit barrel, thus increasing indefinitely the value of the Truck.

We have wheels of 1½, 2½ and 4 inches tread, but always send Trucks with Wheels, 1½ inches, unless otherwise specified.

We also supply a box without trunnions and spring catch, making a very superior dumping Hand Cart.

No Castings to break; all irons of best wrought.

Very stiff, handsome, compact, low in price.

Furnished with or without Barrel or Box, as ordered.

Price, Truck only .....\$6 50

Price, Truck with Barrel ... 8 75

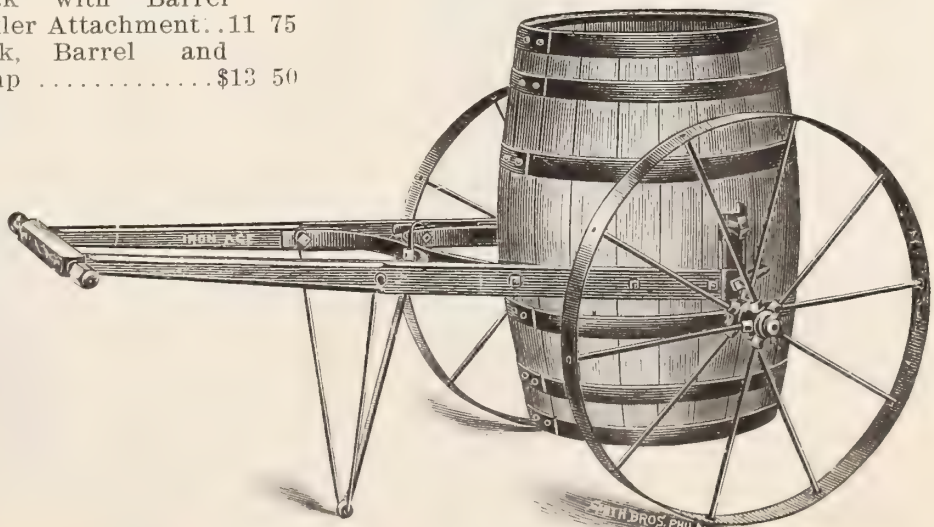
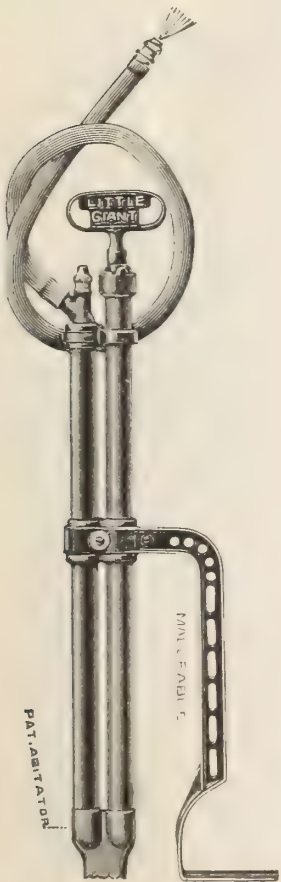
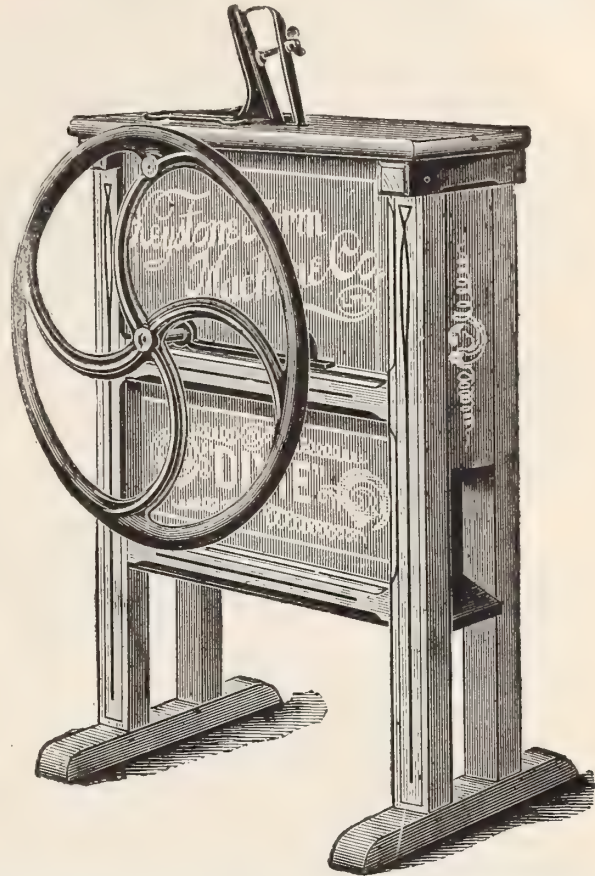
Price, Truck with Barrel

and Sprinkler Attachment...11 75

Price, Truck, Barrel and

Force Pump .....\$13 50

**First-Class Right-Hand  
Corn Sheller.**  
**DIXIE, - - - Price \$5.50**



**PAIL PUMP, \$3.75.**

**BARREL, TRUCK, HAND CART, SPRINKLER and BARREL FORCE PUMP.**



## Showing Sprinkler Attachment.

Price,

Sprinkler attachment only, 3.25

As shown by the cuts on this page, we have recently largely increased the usefulness of our Barrel Truck by the addition of a first class Sprinkler and Force Pump, both being sold as attachments and easily applied to barrel.



FIG. 48.

## THE ECLIPSE ATOMIZER.

The Biggest Little Bug-Killer on Earth.



The Eclipse form of tank is shown in cut, and experience shows that it is the best form. Many forms have been attempted that show in practice fatal objections; a notable one being the conical one with point downward, which is easily understood by the explanation that Paris green and other poisons are insoluble, and only held in suspension in the water and settle very rapidly; the method of agitation in atomizers being to shake frequently. Now, when allowed to settle, even for a minute, in a conical can, it concentrates very rapidly and is very soon strong enough to kill any foliage, so with the least neglect it becomes a plant-killer instead of a plant

saver. Our experience leads us to adopt the moderately broad bottom can shown, as the safest and easiest to keep thoroughly mixed of any form.

**Price, Tin Reservoir.....50c.**  
 " **Glass Reservoir.....75c.**  
 " **Electric Bellows for Dry Powder 75c.**

## BRASS FORCE PUMP.



FIG. 49.

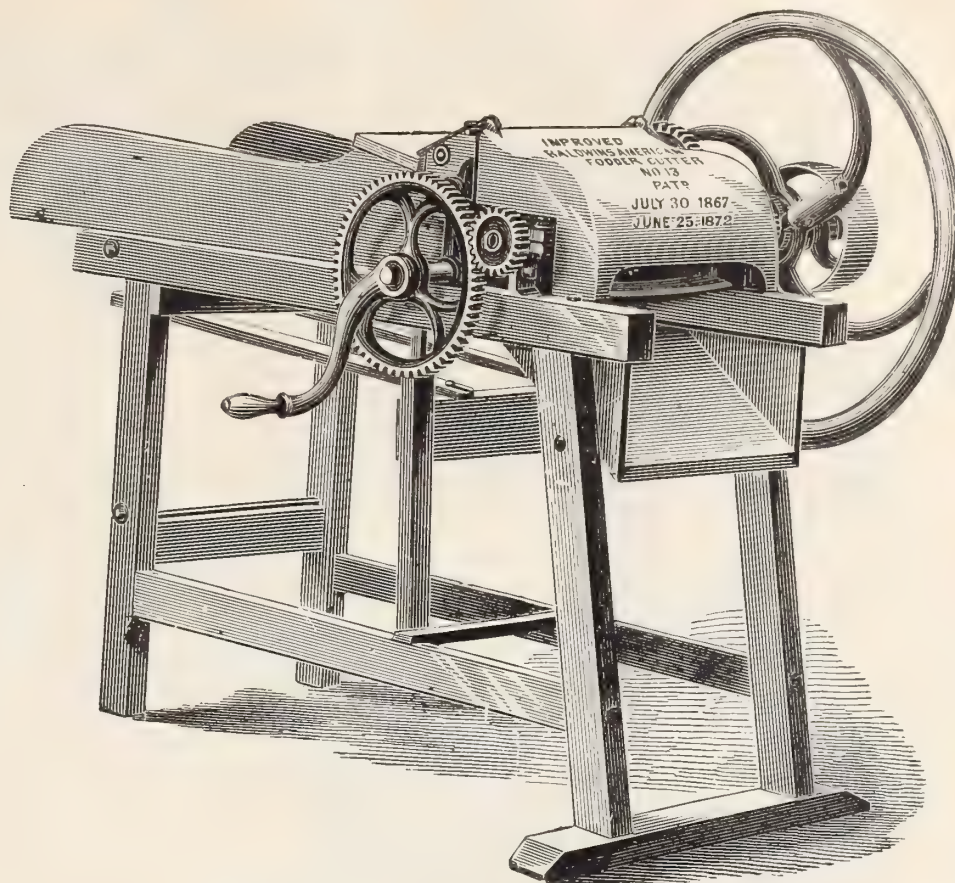
Price, Force Pump only, \$5.00.



# The "BALDWIN" Fodder and En- silage Cutters.

FOURTEEN SIZES FOR  
HAND AND POWER.

Each Size Cuts  
Four Different  
Lengths.



## THE BALDWIN HAND FODDER CUTTER.



American Standard  
No. 4.

			1 Knife 2 Knives.
No. 1.	For hand use; is the smallest size we make. Length of knife, 6 inches; length of cut, $\frac{1}{2}$ , 1, $1\frac{1}{2}$ and 2 inches	\$11 70	
No. 9	Machine has $8\frac{1}{4}$ -inch knife, and is our second size Hand Cutter. Lengths of cut with one knife, $\frac{1}{2}$ , 1, $1\frac{1}{2}$ and 2 inches; with two knives, $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$ inch.....	14 30	\$16 25
No. 10.	Has $9\frac{1}{2}$ -inch knife. This size will be found one of the best for persons wishing to cut by hand for from five to eight head. We manufacture them with one and two knives. Length of cut with one knife, $\frac{1}{2}$ , 1, $1\frac{1}{2}$ and 2 inches; with two knives, $\frac{1}{4}$ , $\frac{1}{2}$ , $\frac{3}{4}$ and 1 inch .....	16 00	18 52
No. 11.	This size has 11-inch knife, and will be found the best for livery stables and farmers wishing to cut by hand for a large stock, say from fifteen to twenty-five head. We manufacture them with one and two knives. Length of cut with one knife, $\frac{1}{2}$ , 1, $1\frac{1}{2}$ , and two inches; with two knives, $\frac{1}{4}$ , $\frac{1}{2}$ , $\frac{3}{4}$ and 1 inch .....	19 50	20 80
No. 12	is our largest size Hand Cutter. It is a large, powerful Cutter, having a 13 inch knife. It is built very heavy and strong, and will be found just the thing for anyone wishing to cut by hand for a large stock. Length of cut, $\frac{1}{2}$ , $1\frac{1}{2}$ and 2 inches .....	24 70	
No. 13A.	Power Wheel .....		29 25
No. 13 $\frac{1}{2}$ .	Power Wheel .....		32 50

## The American Standard Hand Corn Planter. THE UNIVERSAL FAVORITE.

The only Planter containing an adjustable dropping disk.

The disk is quickly adjusted for a light or heavy seeding, and rotates similar to the disk in a Horse Planter.

The Planter is easily operated by a BOY or GIRL.

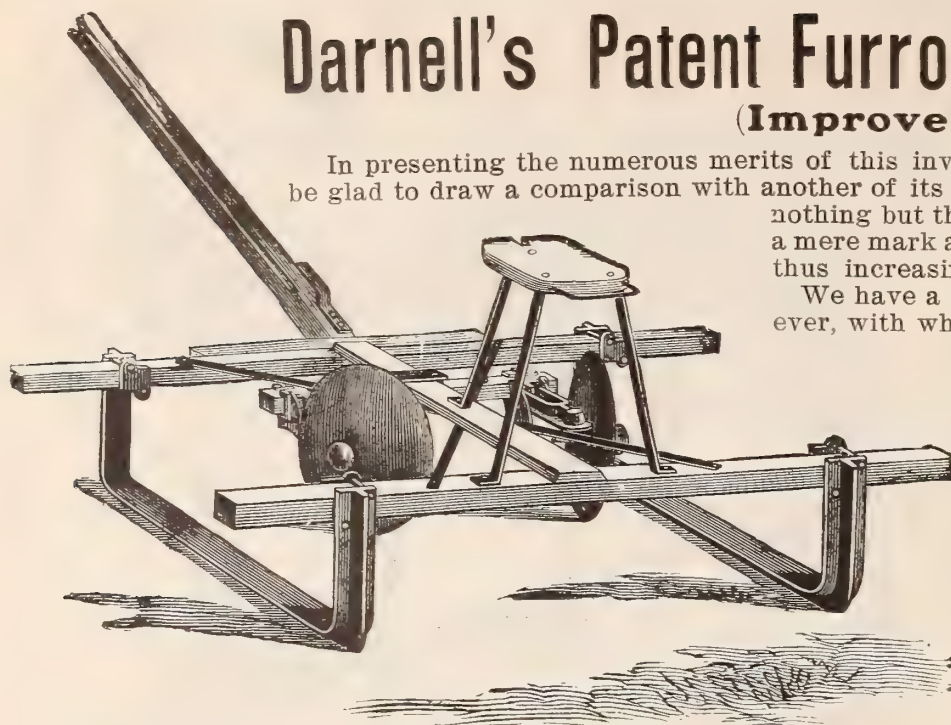
Works in all kinds and conditions of soil, and is the only one which insures an accurate and reliable seeding.

Try one; it speaks for itself.

No. 4. A medium to heavy dropper. For a general purpose Field Corn Planter it has no equal. It is the favorite of this series, and its sales exceed those of all other planters ever manufactured combined. Price, \$1.75.



## Darnell's Patent Furrower and Marker (Improved)



In presenting the numerous merits of this invaluable little implement we would be glad to draw a comparison with another of its kind, but we have seen or heard of nothing but the ordinary scratch sleds which make a mere mark as a guide for the plow which follows, thus increasing the work instead of lessening it.

We have a genial ever-borrowing neighbor, however, with whom we might compare notes, and we will just bring him forward with his plow which he is inclined to think is good enough yet. We think you will not fail to notice the difference.

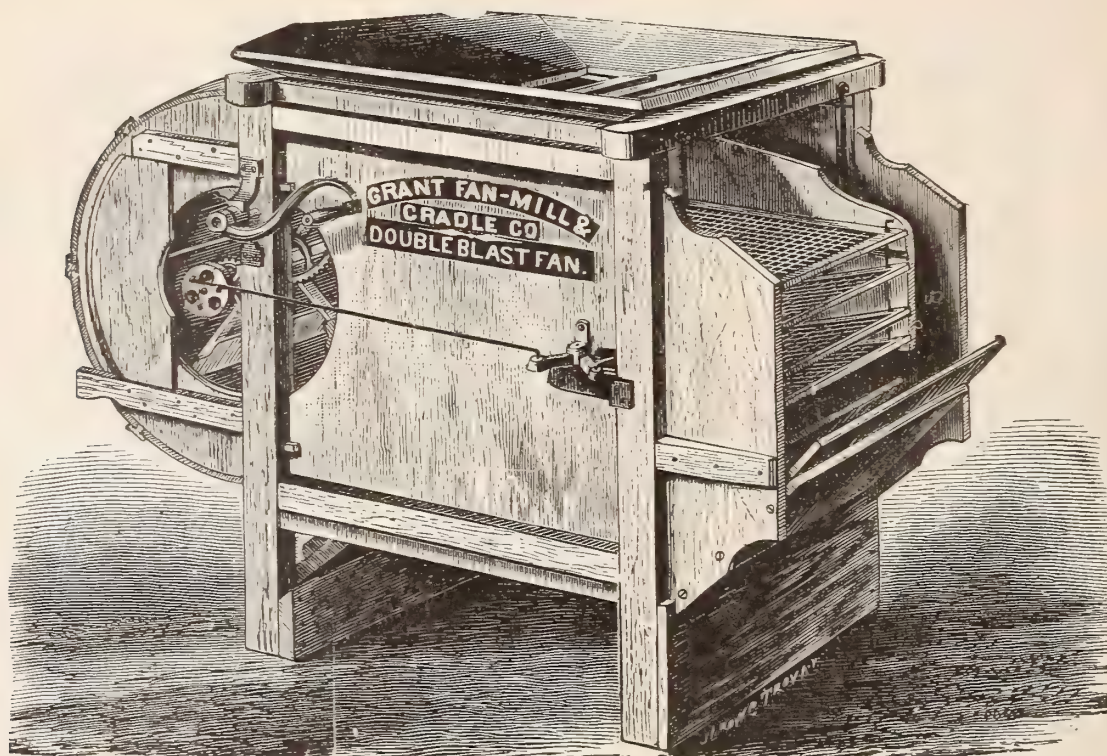
We ride while he walks.

We bring into requisition the services of our boy, if busy ourselves, while nothing short of a man, and a good one, too, can handle the plow.

We open two furrows, while he opens one in clean ground, and do it better.

**Price, With Large Disks (16 inch) \$18.50.**

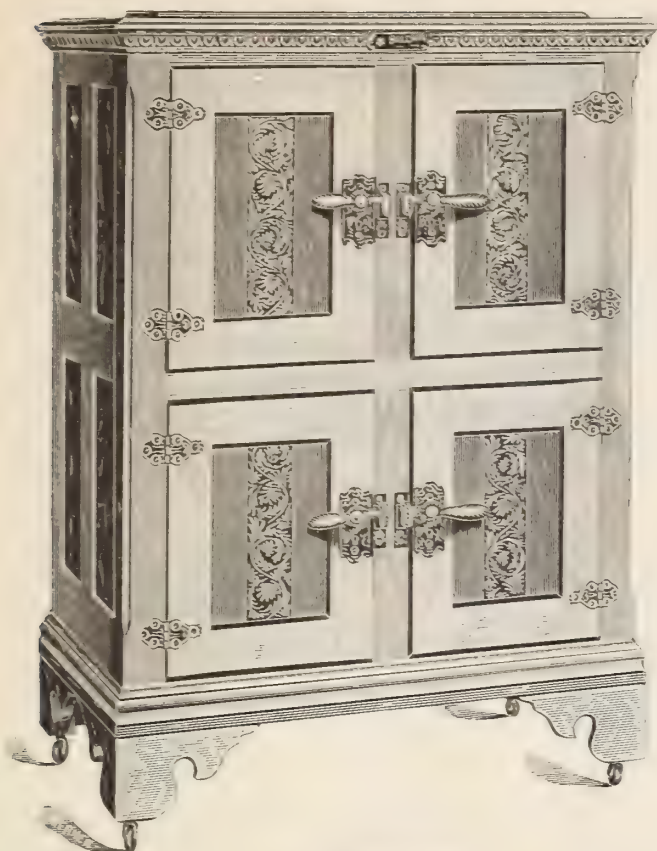
## BRYAN GRANT FAN MILLS.



No. 1, with 5 sieves, 14x18 inches	\$13 00
No. 2, with 5 sieves, 16x18 inches	15 00
No. 3, with 5 sieves, 16x20 inches	18 00
No. 4, with 5 sieves, 18x20 inches	20 00
No. 5, with 5 sieves, 20x20 inches	22 00
No. 6, with 5 sieves, 22x20 inches	25 00

The Mills, from their long known reputation, do not need any recommendation. They clean all kinds of grain well; if wheat has foul stuff in it, it needs to be run through twice to make it clean.



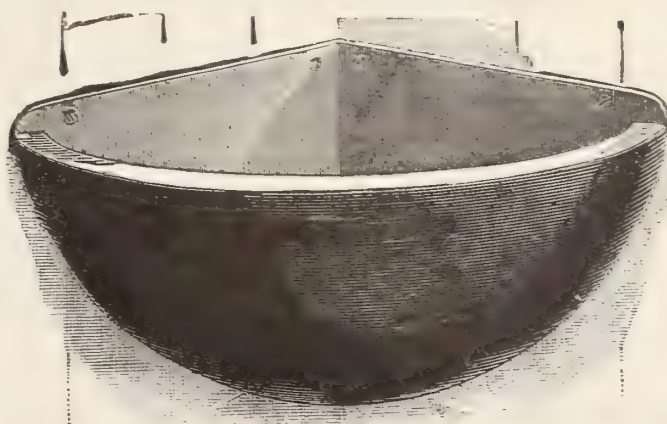


## BALDWIN REFRIGERATOR.

Over 50 different styles, including both zinc and porcelain lined; conceded to be one of the best refrigerators on the market. Each one absolutely guaranteed.

PRICE FROM \$4.98 UP.

## Corner Manger.



No. 1, Small for Ponies .....Price, \$1 00  
 No. 2, Medium .....Price, \$1 00  
 No. 3, Large .....Price, \$1 75  
 Square Medium .....Price, \$1 75

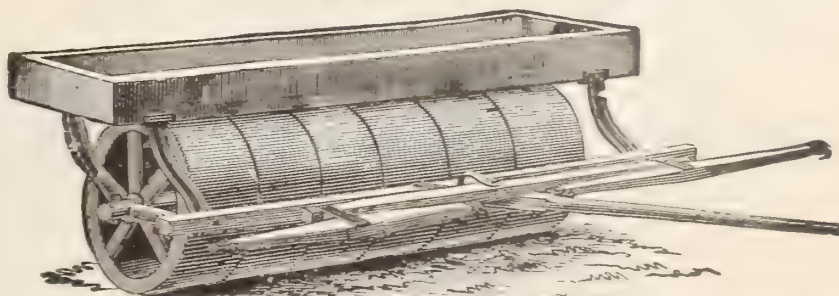
## Hay Rack.

Cast Iron .....Price, \$1 00  
 Wrought Iron .....Price, 1 50  
 Wrought Iron half circle .....Price, 2 25

## Field Roller.

	Each		Weight		
Sections,	in face	in diam.	about	Price	
3	12	20	750 lbs.	\$40 00	
4	12	20	850 "	45 00	
5	12	20	1000 "	50 00	
4	12	24	1100 "	55 00	
5	12	24	1300 "	60 00	
6	12	24	1600 "	70 00	
4	12	28	1200 "	60 00	
5	12	28	1450 "	70 00	
5	12	28	1800 "	80 00	

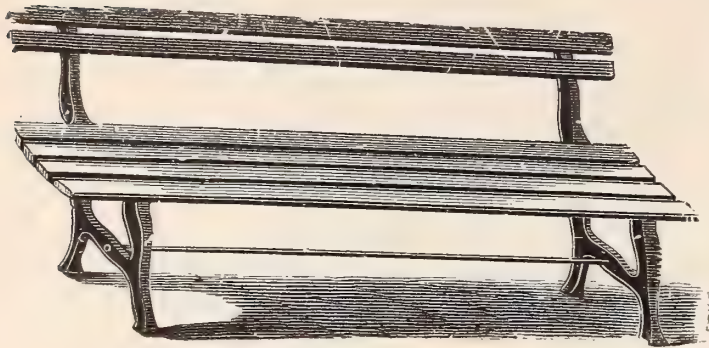
With Shafts or Poles, same price. Whiffletrees \$3.00 extra. Seat and Scraper, \$10.00 extra.



The above cut represents the most improved Roller, constructed wholly of iron, except the tongue and box which are of wood. The rollers are made of various diameters and in sections on a wrought-iron shaft.



## Muzzy Brothers' "Park" Settee.

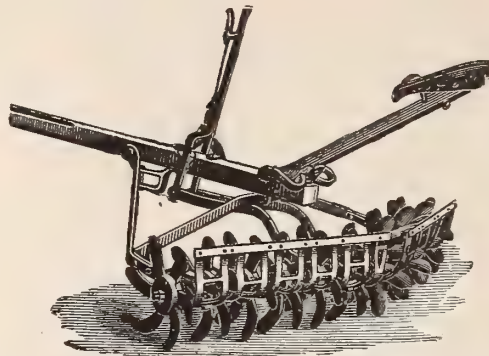


	Ash
No. 1. 4 feet long .....	\$4 00
No. 2. 5 feet long .....	4 50
No. 3. 6 feet long .....	5 00
No. 4. 8 feet long .....	6 00

This is a strong, well made and neatly finished Settee. The timber used in its construction is of the best quality, straight-grained, and tough. Ash is the wood used unless otherwise ordered.

**Also Wood, Galvanized Iron and Wire  
Settees for Cemetery or Lawn.**

## Morgan Spading Harrow. WITH CLEARER ATTACHMENTS.



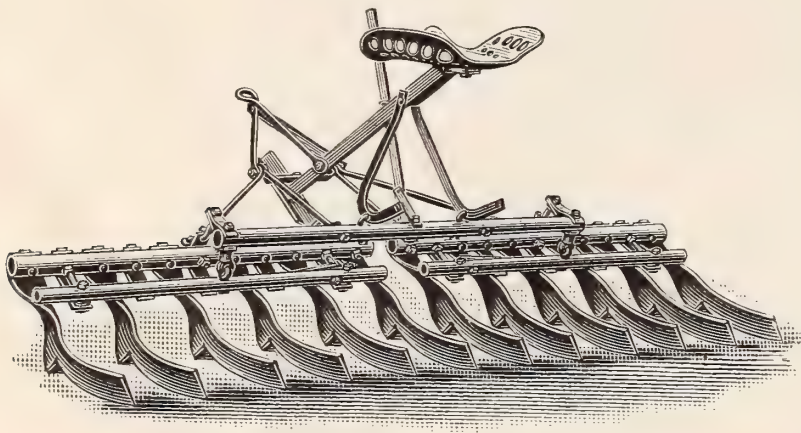
This Spading Harrow does its work just as the hand spade does—by cutting into and lifting the soil, thereby disintegrating and aerating it, giving the same fine culture to broad fields that the

gardner does to his narrow garden; and special investigation and extended inquiry have only confirmed our opinion that it is the coming implement for pulverizing the soil, and that as now perfected it is unquestionably the best and cheapest harrow ever invented.

Telegraphic

Cipher for Style. Width Size of Spades. Price.  
Ordering.

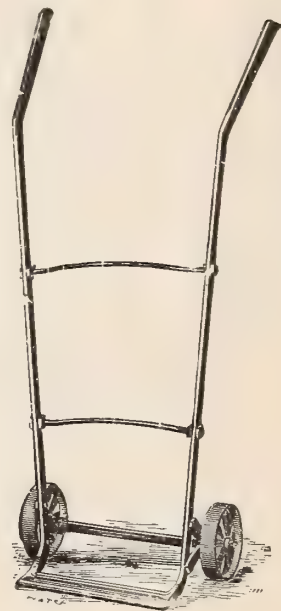
Temper	.....A...	3 feet...	2	x16 inch....	\$22 00
Tenant	.....A...	5 feet...	2	x16 inch....	23 00
Tender	.....A...	6 feet...	2	x16 inch....	24 00
Tendrill	.....A...	7 feet...	2	x16 inch....	26 00
Testate	.....C...	6 feet...	2 1/4	x18 inch....	27 00
Testator	.....C...	7 feet...	2 1/4	x18 inch....	29 00
Teutonic	.....D...	8 feet...	2 1/4	x18 inch....	32 00
Terror	.....D...	3 feet...	2	x13 inch....	22 00
Telltale	.....D...	6 feet...	2	x13 inch....	24 00



## ACME HARROW.

**Pulverizing Harrow, Clod Crusher  
and Leveler.**

No. H.	Price, one-horse .....	\$14.00
" 23.	Flexible, price .....	17.00



## STEEL ASH BARREL TRUCK.

**Price, \$3.00.**



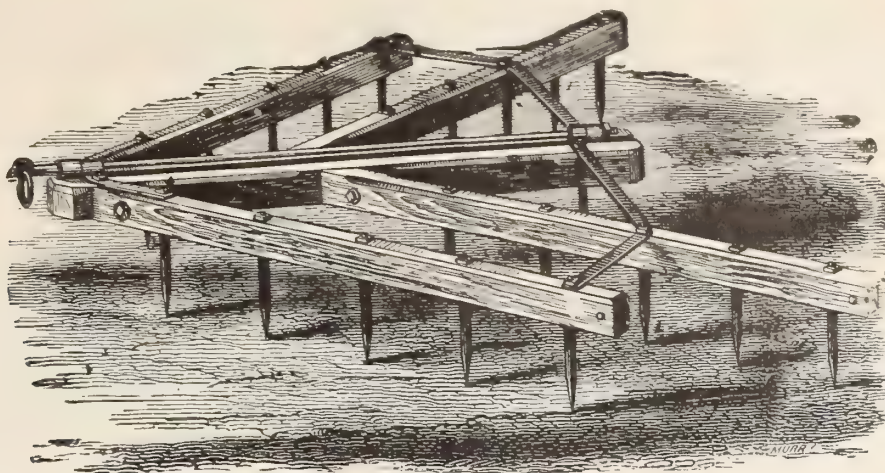


Fig. 010.

## The Geddes Hinge Harrow-Steel Teeth

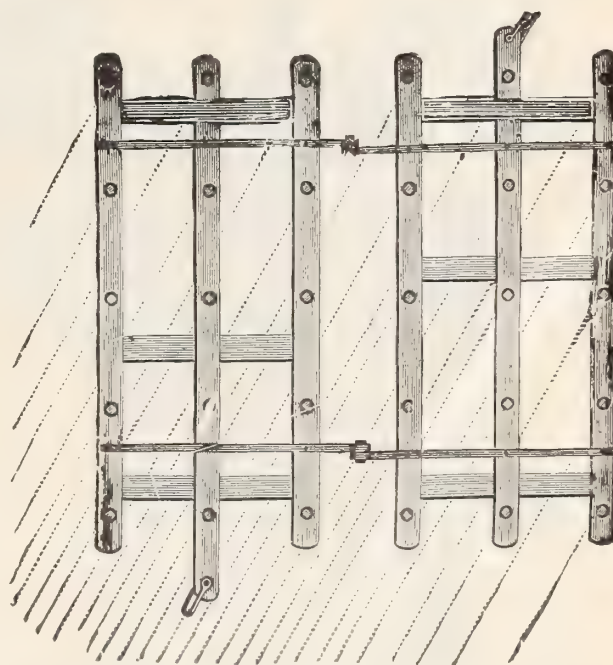
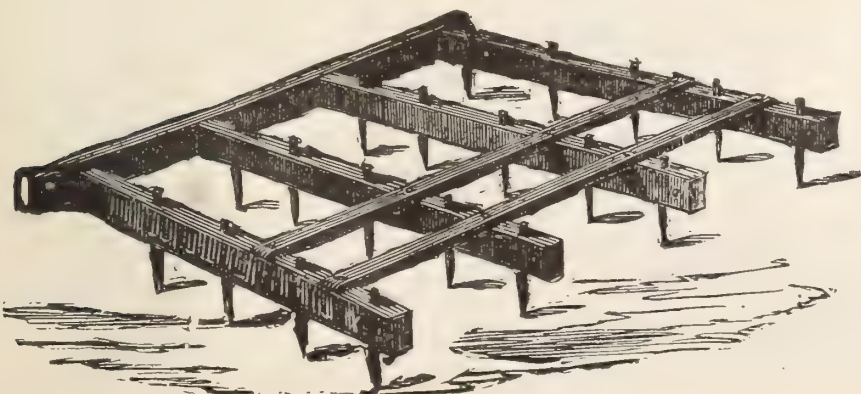
No. of Teeth.	Size of Teeth.	Price.	No. of Teeth.	Size of Teeth.	Price.
14	$\frac{3}{4}$ inch.	\$9 00	24	$\frac{7}{8}$ inch.	\$15 00
16	$\frac{3}{4}$ inch.	9 75	26	$\frac{7}{8}$ inch.	16 00
18	$\frac{3}{4}$ inch.	10 50	28	$\frac{7}{8}$ inch.	17 00
20	$\frac{7}{8}$ inch.	13 00	28	1 inch.	18 00
22	$\frac{7}{8}$ inch.	14 00	30	1 inch.	19 00

This Harrow is probably the best in use; being easily raised to discharge weeds, etc. The teeth are all fastened with nuts and washers, preventing them getting loose. These Harrows are also made with curved teeth, when so ordered, at an additional cost of 3c. per tooth.

## The Improved Hinge Harrow.

No. of Teeth.	Size of Teeth.	Price.
24	$\frac{3}{4}$ inch.	\$12 00
30	$\frac{3}{4}$ inch.	15 00

The teeth, standing one foot apart each way, are not liable to clog, and yet their arrangement is such as to work the ground perfectly. It is a very strong Harrow, and may be drawn either end forward.



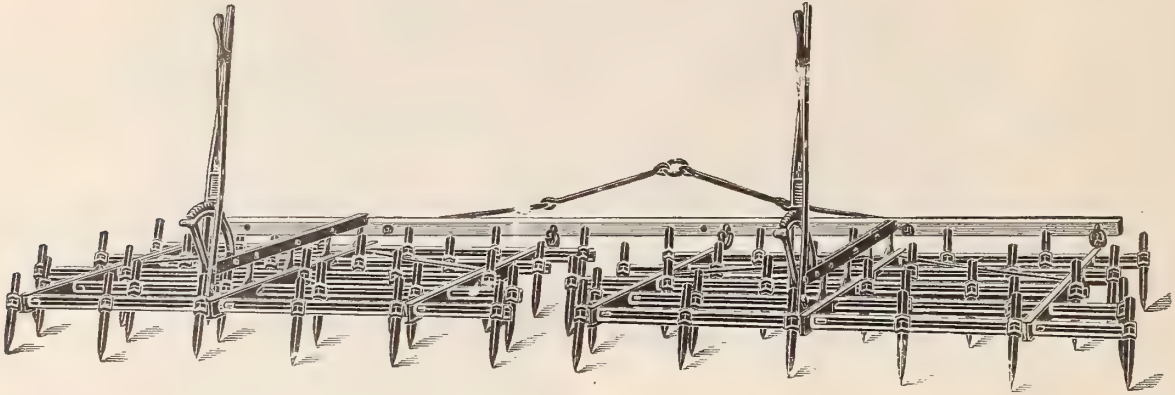
## Square Harrow. Steel Teeth.

No.	No. of Teeth.	Size of Teeth.	Price
1	15	$\frac{3}{4}$ inch.	\$5 75
2	19	$\frac{3}{4}$ inch.	7 00
3	23	$\frac{7}{8}$ inch.	8 00

This is the standard form of Harrow, suited to all kinds of work, and the cheapest.



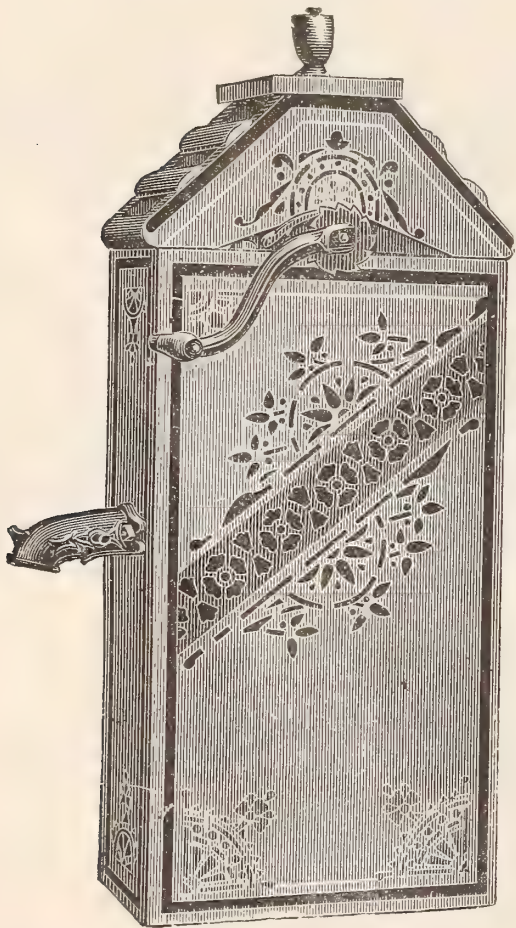
# STEEL TOOTH HARROW.



The best smoothing and scratch Harrow now in use. Teeth can be adjusted to any angle by the levers. Frame is made of steel. 60 teeth. 5-8 square.

Standard U bar .....	\$12.00
Standard Crescent .....	14.00

## "Our" Wagon Jacks.



### Well Curb.

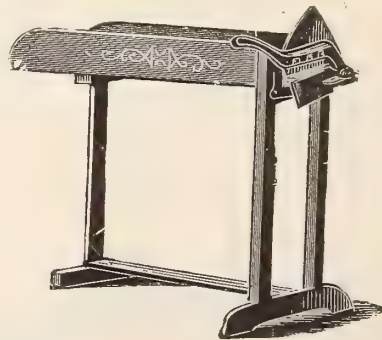
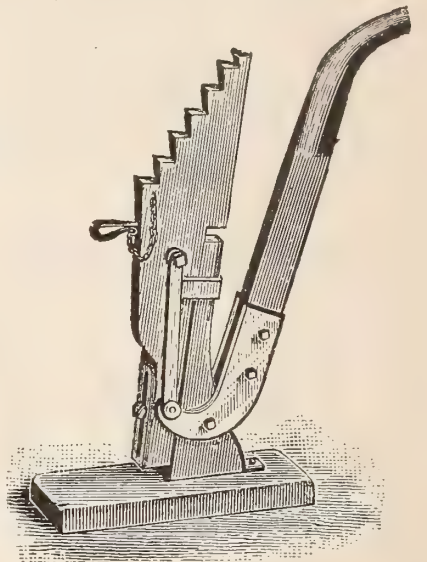
Price, - \$2.00.

No. 1 .....	\$2 50
No. 2 .....	3 50

Without doubt the easiest to operate and most satisfactory Jack manufactured.

### "Little Giant" Jacks.

No. 1 .....	\$2 25
No. 2 .....	3 00



### LEVER HAY CUTTER.

Price with gauge, as in illustration .....	\$3 75
Price with gauge frame not as strong .....	2 98



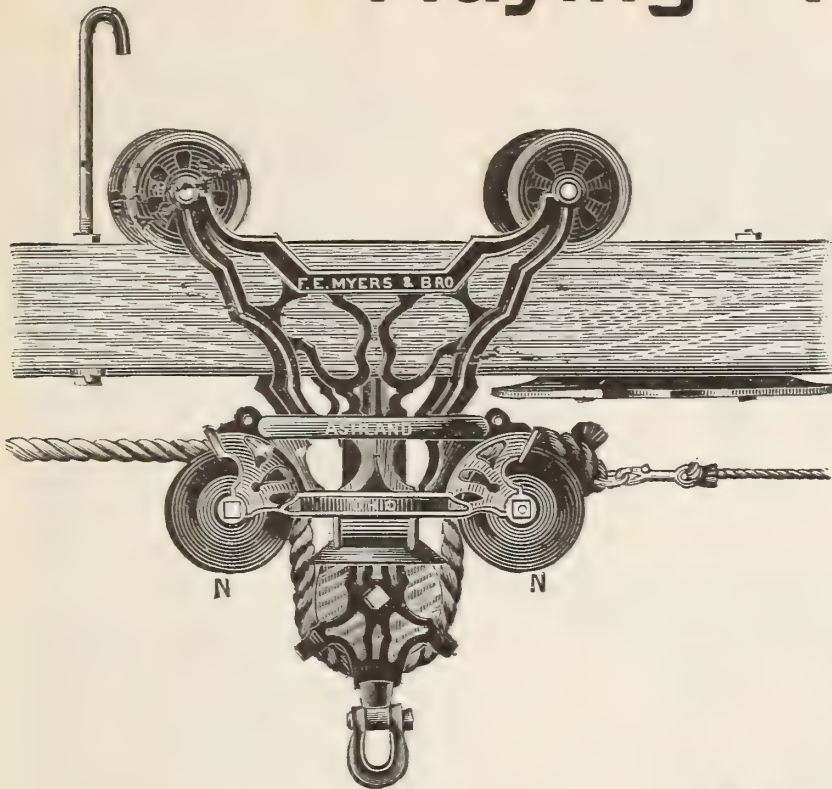
# Haying Tools.

## Myers' Combination Reversible Carrier.

With Swivel Attachment.

This illustration shows our Myers Combination Carrier. This Carrier is a Straight Reversible, having all the valuable features and advantages of our Myers Double lock. It has the same reliable trips and stops, and in addition is made to reverse by means of swivel as well.

Price, - - - \$5.00



Steel Track Hanging Hook. Fig. 302.  
(Joy). 10c each; 85c per doz.

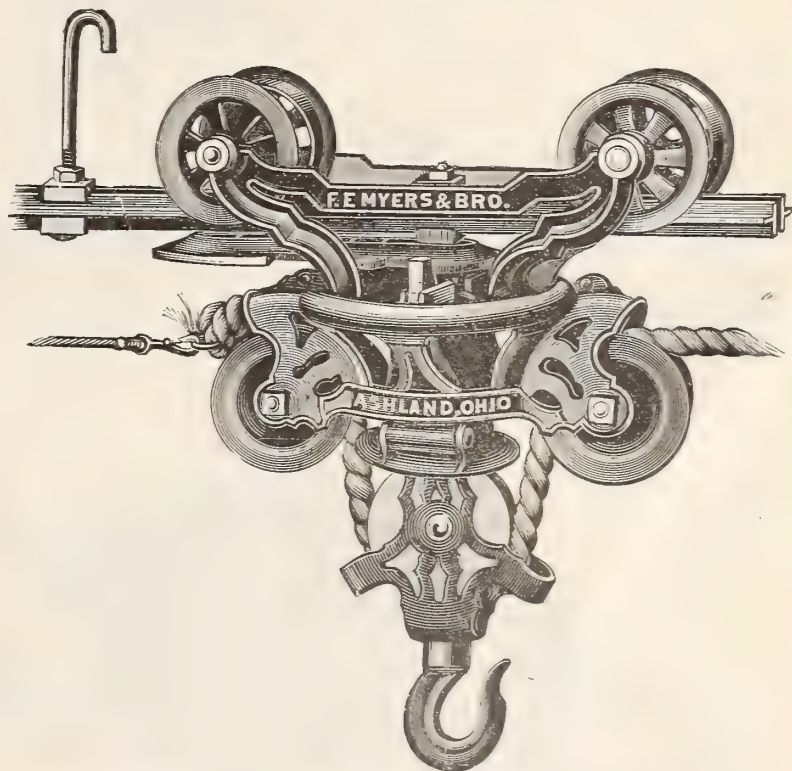
## The Meyers' Combination Carrier.

Reversible and Swivel for Patent Double Steel Track.

Has 7-8 in. Steel Axles and Oil Openings.  
Fig. 390. (Grab.)

This illustration shows our Myers Combination Steel Track Carrier. This Carrier is a Straight reversible, having all the valuable features and advantages of our Myers Double Lock. It has the same reliable trips and stops, and when used as a reversible carrier, operates the same way and is reversed the same way. The new feature in this Carrier is that the two rope pulleys are hung on a turn-table, which adds to this Carrier all the advantages found in a swivel carrier, in addition to those of any reversible carrier in the market.

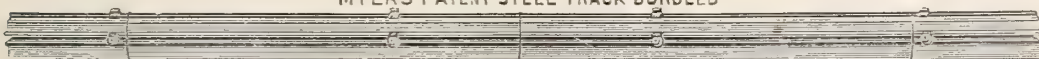
Price, - - - \$5.00



## Double Steel Track, Put Together Before Shipping.

Fig. 644. (Ratan.)

MYERS PATENT STEEL TRACK BUNDLED



When so required by dealers, we put track together as shown above before shipping. The advantage of this plan is that in erecting, the only thing necessary is to attach the splice clamps. Instead of old method of breaking joints in center of rail, we use a long heavy clamp, as shown in Fig. 641. This plan is recommended, as it adds all the advantages of the single rail, and makes the double rail the most desirable track for dealers to handle.

Price, per foot, - - - 15 Cents.

## Rafter B ackets

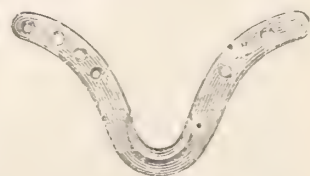
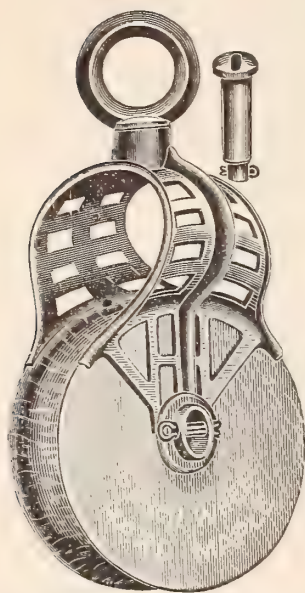


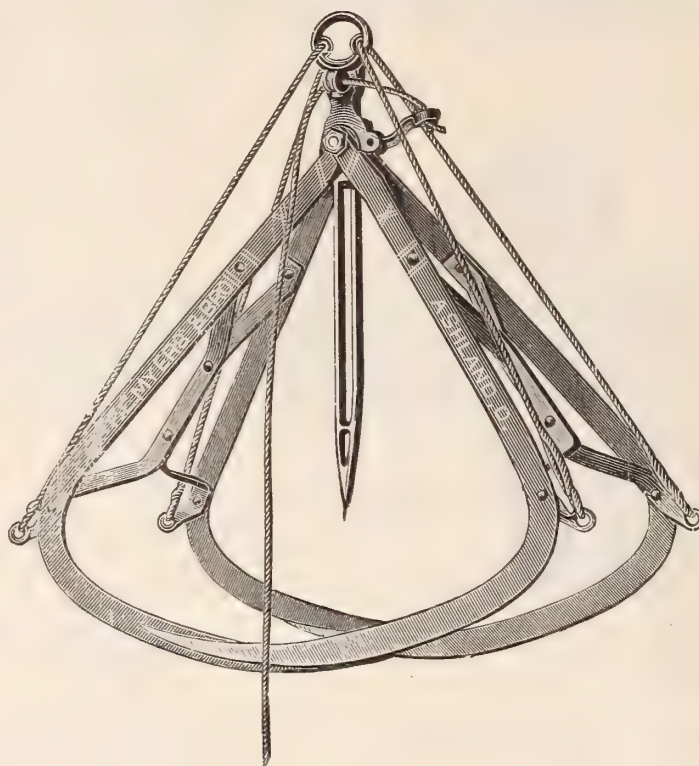
Fig. 436' (Keesh.)  
50c per doz. 7c each



## HAYING TOOLS—Continued.



**Reed Pulley With  
Eye, 1 in. spindle,  
loose pin.**  
Price, 35 cts. each.



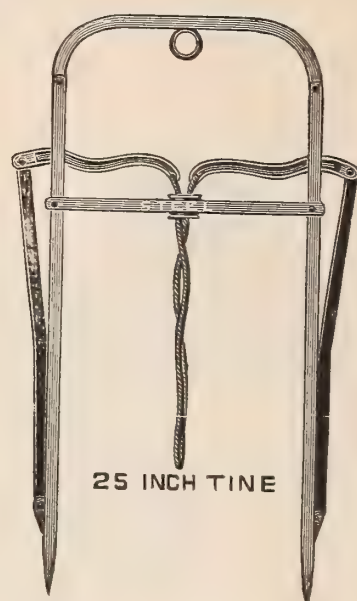
**Myers' Double Grapple Hay Fork.**

Made with 4 and 5 Tines.

Returns to the Load Closed.

Fig. 563. (Hurl.)

PRICE, - - - - \$5.50.



**Regular Double  
Harpoon.**

Fig. 268. (Honey.)

Price, \$1.25 Each.

## Wooden Hay and Lawn Rakes.

0 Brand.....	Price, \$0 15	3 Bow.....	Price, \$0 30
Single Brand.....	" 20	3 Bow Lawn.....	" 30
Double Brand.....	" 25	Extra Lawn.....	" 35
Wire Lawn Rakes.....		Price, \$0 40	



*Nos. 1 and 2 Scrapers Without Runners.*

other Scraper will; and owing to the sharp, rounded nose, it will enter the ground more rapidly than any other make of Scraper. The Balls are Steel, with perfect working swivels, and handles of hard wood. We will guarantee this Scraper in every particular. Made in three sizes.

### The "BOSS" Solid Steel Drag Scraper.

Pat. Nov. 4, 1897, and March 24, 1885.  
Best and Cheapest Scraper in the Market.

No. 1. Capacity 7 cubic feet...\$7 50  
No. 2. Capacity 5 cubic feet... 7 00

These Scrapers are made from heavy plates of especially hardened steel, and are stamped from one sheet without joint, seam or rivet. They are superior to any other Drag Scraper upon the market, the "Columbus" Solid Steel Scraper alone excepted. The bowl being made of thicker and harder steel, enables it to scour where no

**Strictly Pure Paris Green, - - - - 19c. per lb.**  
**Double Ground Land Plaster, per ton, \$7.50; per bag, 100 lbs. 45c.**

**Hellebore, for Rose Bushes; Slug Shot non-poisonous,  
For Cabbage and other Greens; Whale Oil Soap.**

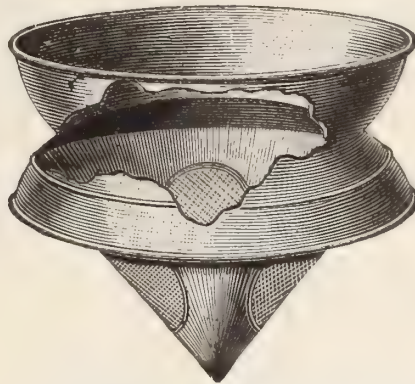


# DAIRYMAN'S SUPPLIES.



**MILK CAN.**

20 quarts, iron-clad	\$2 25
30 quarts, iron-clad	3 00
40 quarts, iron-clad	3 25



**TUTHILL MILK STRAINER.**

\$1.00 each.



**MILK STRAINER PAIL.**

10 quarts	25 cts.
12 quarts	29 cts.
14 quarts	35 cts.
10 quarts	ex. heavy 65 cts.
12 quarts	70 cts.

## MILK AND CREAM BOTTLES.

BOTTLES WITH TIN TOPS.

1 pint, per gross, \$7.50	per dozen, 75 cts.
1 quart, per gross, \$9.00	per dozen, 89 cts.

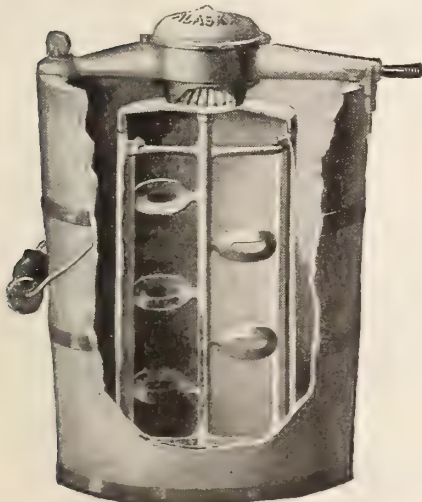
BOTTLES WITHOUT TIN TOPS.

1 pint, per gross, \$6.50	per dozen, 65 cts.
1 quart, per gross, \$8.00	per dozen, 75 cts.

Extra Paper Caps, 5 lbs., 50 cts. Paper Caps, waxed, 30 cts. per 1,000.

Bottles made with owner's name blown on. No extra charge.

## COLDEST.



**QUICKEST.**

Wyandotte Cleaner for Milk Bottles and Milk Cans.

5 lb. Bag, - - - 25c.

**CLIMAX TIN TOP**



YOUR ESPECIAL ATTENTION IS CALLED TO THE

## ALASKA ICE CREAM FREEZER.

Aerating Spoon Dasher. Double Wood Scrapers. Novel Ice Guard.  
Every Machine Guaranteed. Perfection. Made in the following sizes:

1	2	3	4	6	8	10	12	15 qt
Price \$1.40	1 60	1.85	2.15	2.85	3.75	5.00	6.00	7.50

Dairy Pans in Tin and Granite, all sizes.

Extra Heavy Boxes, for Milk Bottles, with Hinged Lid, removable inside partitions, to facilitate cleaning, will hold 12 quarts or 24 pints.

Bottle Brushes. Dash Churns, all sizes, prices from \$1.49.



# The Blanchard Churn.

The body of the Churn being cylindrical, all the cream is churned alike and at the same time, making streaked butter impossible. Those who desire to make butter on what is called the "granular system" can do it perfectly with the Blanchard Churn. If we were disposed to follow the example of some of our competitors, we could add page after page of "unsolicited" testimonials as to the accuracy of these claims; but we simply point to our past record and to the absolute guarantee under which all our sales are made.

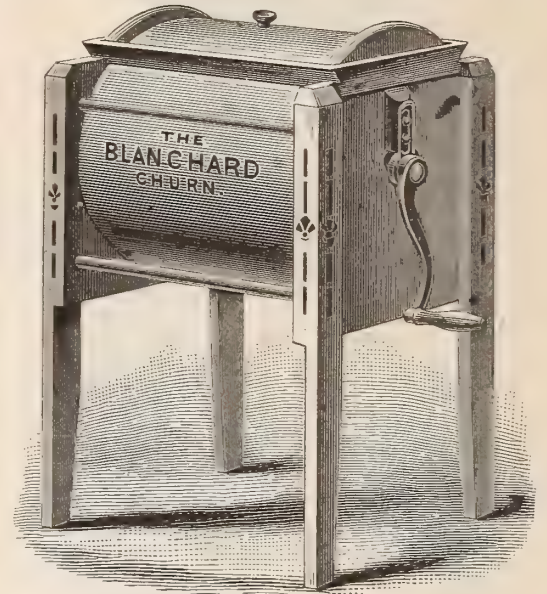
## Price List Family Sizes.

No.	Will Hold	Will Churn	Price
3	4 gals.	2 gals.	\$4 50
4	8 gals.	4 gals.	5 25
5	16 gals.	8 gals.	6 00
6	24 gals.	12 gals.	7 50
*7	32 gals.	16 gals.	9 00

Pulley for power, 14-inch diameter, 3-inch face, will fit any size

Churn (instead of crank) ..... 1 50

\*This size has crank on each end.



# The Cylinder.

## Price List.

No. 0	.....\$1 75
No. 1	..... 2 00
No. 2	..... 2 50
No. 3	..... 3 00
No. 4	..... 3 50



Superior in materials and workmanship. Made from specially selected stock and highly finished. Acknowledged the best Cylinder Churn on the market.

For wholesale trade crated six in a crate.

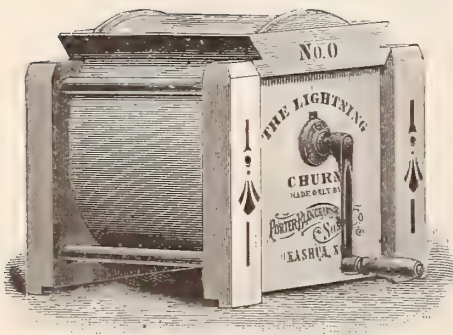
# The Lightning Churn.

**"Get the Best."**

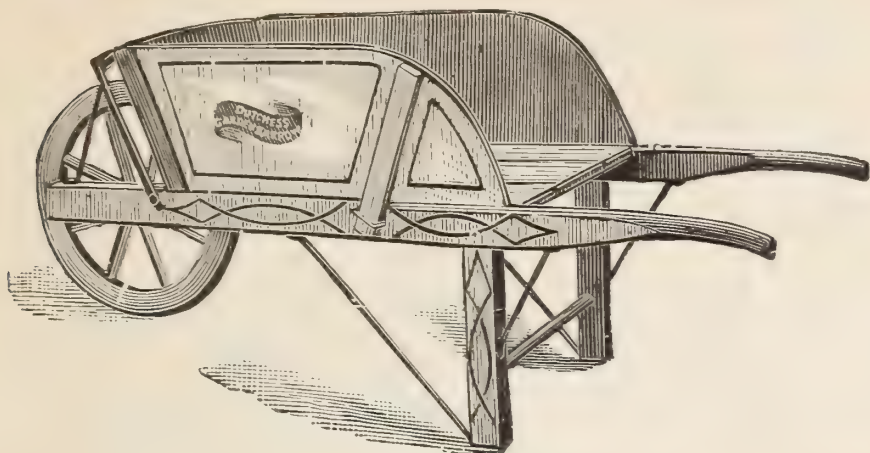
This has been made to supply the demand for a small cheap Churn. It is strong and durable, with no parts to get out of order. It has a double dasher, and will churn quickly if desired. They are made in four sizes, and are packed and shipped with two of each in a crate.

## Sizes and Prices.

No.	Will Hold	Will Churn	Price.
0	4 gals.	2 gals.	\$2 25
1	6 gals.	3 gals.	2 75
2	8 gals.	4 gals.	3 25
3	10 gals.	5 gals.	3 75





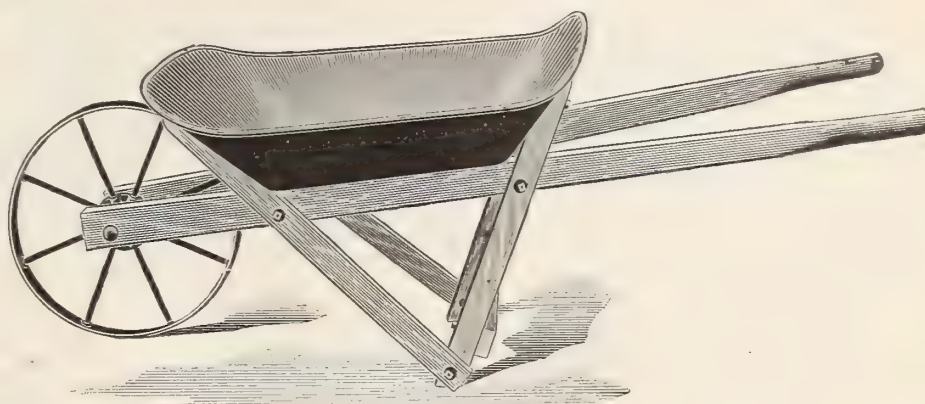


## Dutchess Bolted Garden Barrow.

No. 2B.	Boys' size	.....	\$2 50
No. 4D.	Medium size	...	3 50
No. 6F.	Large size	.....	4 50
Garden Barrows, lighter.			
No. 4	medium size	.....	3 00
Garden Barrows, lighter.			
No. 5	larger size	.....	4 00

## Steel Tray Canal Barrow.

Price with Steel Wheel	.....	\$3 00
Wooden Tray and Wooden		
Wheel	.....	1 69
Wooden Tray and Steel Wheel		1 98



## The Electric Washer.

Made of the best Virginia White Cedar. Elec-  
tric Welded Wire Hoops.  
Painted Iron Part Japanned .....\$3 25  
Varnished Iron Part Galvanized ..... 3 98

ASK TO SEE OUR NEW

## Majestic Rotary Washer.

Price, \$6.48

## Cedar Wash Tubs.

### Electric Hoops.

Small, 80c.	Med. \$1.10.	Large, \$1 40
-------------	--------------	---------------

## Ash Clothes Poles.

15 cts. each.

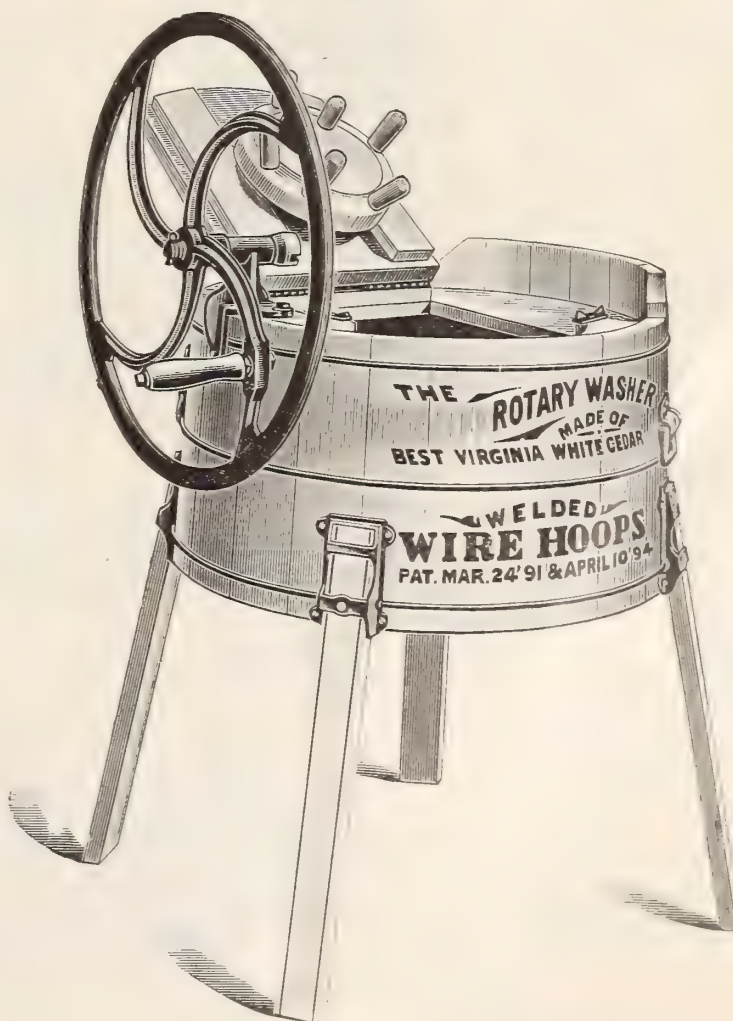
With Spike and Circular Hoop .....19 cts.

## Cotton Clothes Line.

25 yds. Braided	.....	18 cts.
Best 3-ply	.....per yd.	1½ cts.

## Clothes Pins.

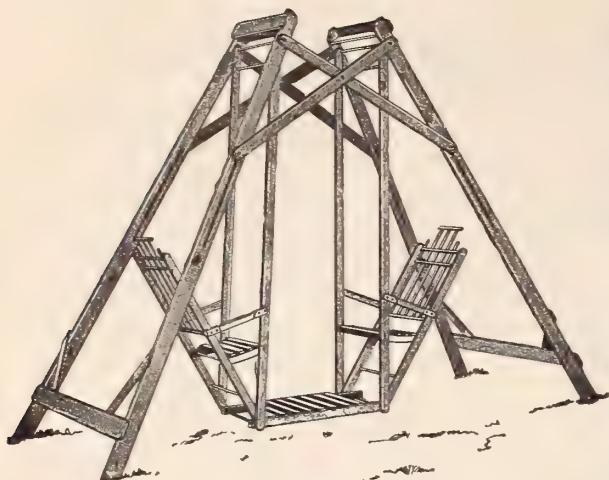
100 Best Quality	.....	10 cts.
------------------	-------	---------



## Majestic Rotary Washer.

Price, \$6.48.





## The Fairfield Lawn Swing.

Easily leads all others in the market for the following reasons:

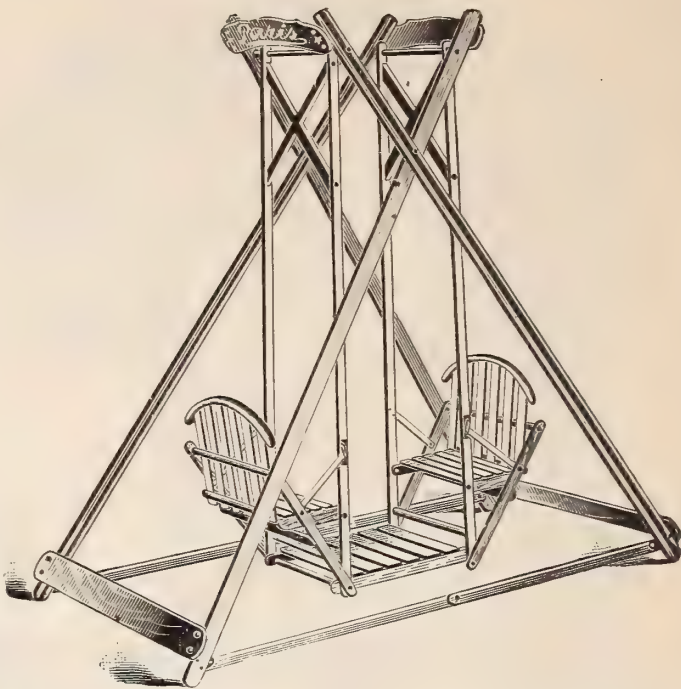
First: Because it is built upon the

best mechanical principles—and this combines the maximum of strength with the minimum of weight, and weds safety to durability.

Its notable lightness makes it easy to handle, while a scientific construction renders it remarkably easy to operate, and secures to it a peculiarly attractive and pleasing appearance.

'Tis "Fair" to claim that nothing now in the "field" equals the

"FAIRFIELD" .....\$3 98

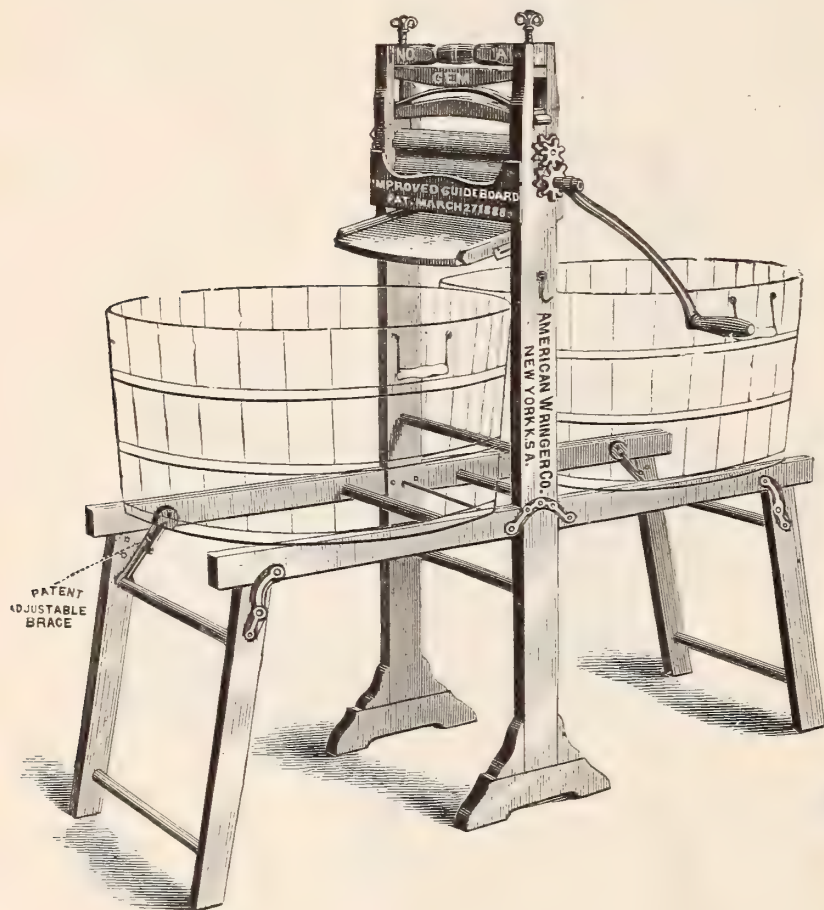


Paris Lawn Swing, \$6.50

## CROQUET.

Price per Set:

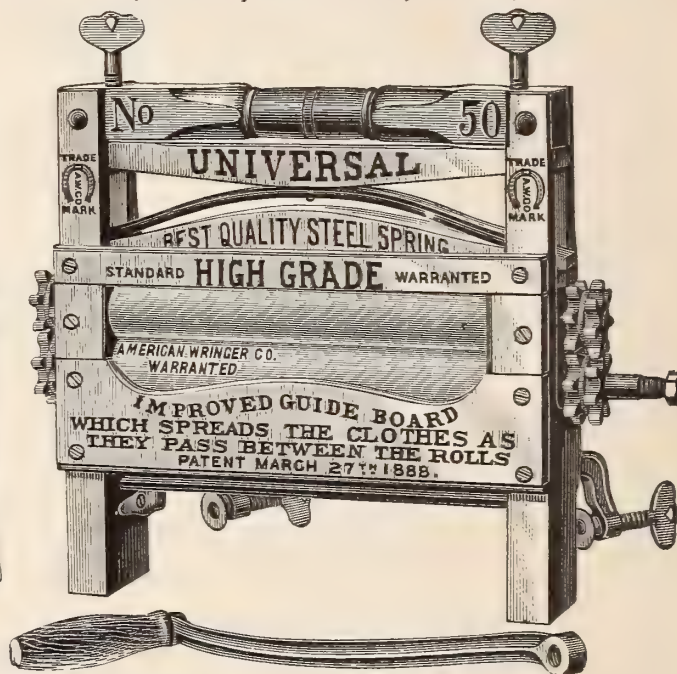
\$0.75, \$1., \$1.50, \$2., \$2.50



## No. 351. Universal Bench Folding Wringer.

IMPROVED.

We have recently greatly improved this Wringer by adding a Pressure Spring of Steel in the place of the three springs of wood as formerly made. Price, \$4.25.



## Universal Wringer.

Three Million Universal Wringers have been sold, giving universal satisfaction and their constantly increasing sale is the best evidence of their great popularity.

## Standard High Grade.

Made of selected materials throughout.

The rolls are specially branded.

Size of Roll. Price.

No. 50. Small Family, 10x1¾ in...\$2 25

No. 51. Medium Family, 11x1½ in. 2 75

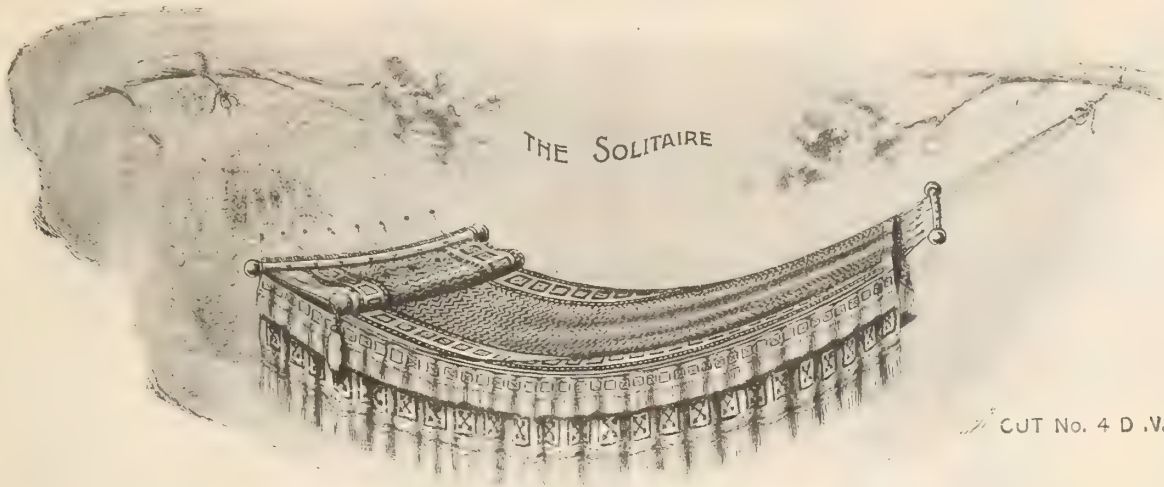
Imperial ..... 1 98

Challenge Wringer ..... 1 25



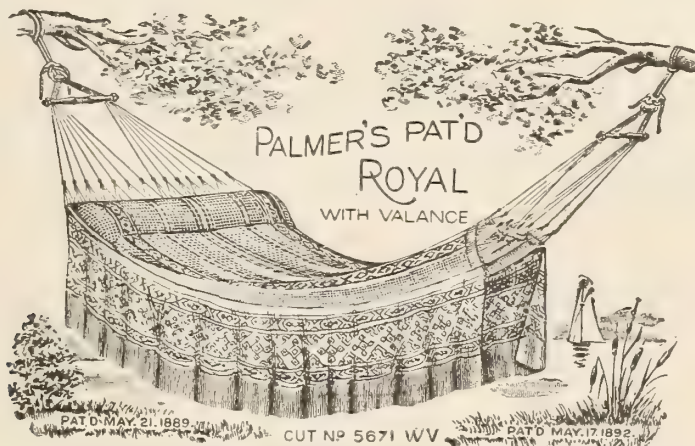
# Palmer's Patent Hammocks.

The superiority of this invention, comprising all the requisites of a perfect Hammock, will be apparent upon investigation. The theory upon which they are made gives greater strength and durability than can be obtained with the same amount of material by any other method. The novelty and comfort of the Pillow and Spreader can not be appreciated. They are highly ornamental, and as well adapted to indoor as outdoor use. All Hammocks are tested with weight of two persons.

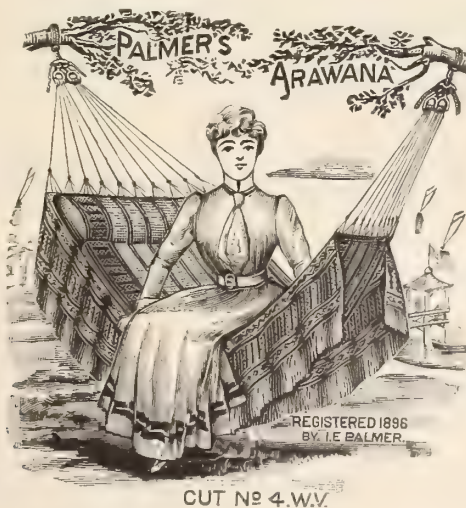


Solitaire Reposo .....

Price, \$4 98



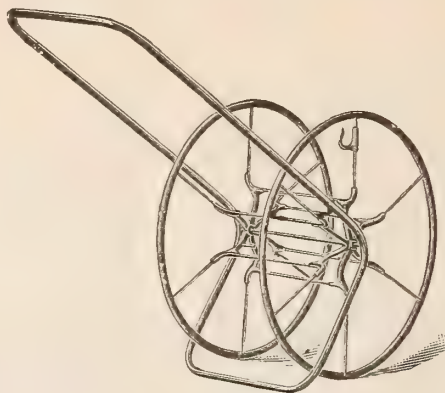
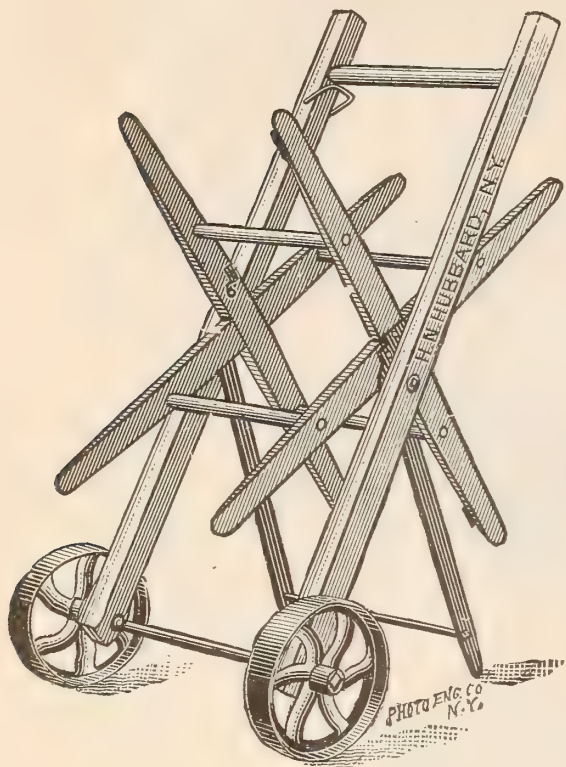
Solid colors in Red and Green; most attractive in the market; 40x81 .....Price, \$2 98  
Deep Valance .....Price, \$2 00



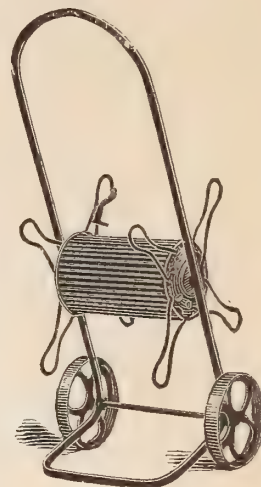
With Pillow, Spreader and Valance, full color .....Price, \$1 50  
Lighter Weight, our guaranteed color...Price, \$1 00  
With Pillow and Spreader, 5x8 color....Price, \$1 00  
Lighter Weight .....Price, 75  
Without Pillow and Spreader, full size...Price, 50



## HOSE REELS.



\$2.75



\$1.75

- No. 1. Hard Wood, for 50 feet hose ..... Price, \$0 59  
 No. 2. Hard Wood, for 100 feet hose ..... Price, \$1 00  
 No. 1. K. C. All Metal Reel for 100 feet hose .... Price, \$1 75  
 No. 1. All Metal Reel for 100 feet hose ..... Price, \$2 75  
 No. 10. Hard Wood, for 100 feet hose ..... Price, \$3 50  
 The most durable Reel made; nothing to break or get out of order.

All grades Garden Hose, from 5 1-2c per foot.

Hose Nozzles, Hose Couplings, Hose Bands and Hose Menders for Repairing your old Hose.

The Sprinklers mentioned below can be attached to our Hose, for which purpose we supply Free one pair of Couplings to every 25 or 50 feet of Hose purchased.

## Twin Comet Lawn Sprinkler.

Covers Greater Area Than Any Other Sprinkler Made. Height, 17 inches; Weight, 6 pounds.

### ...Price \$5.00...

Will sprinkle an area four times greater than any other Sprinkler made.

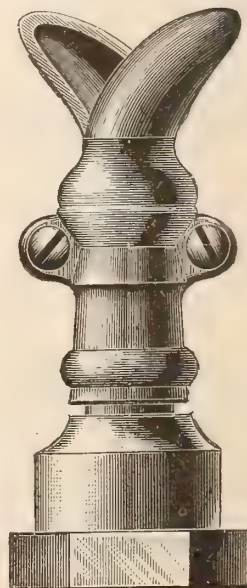
## The "Water Witch" Lawn Sprinkler.

Patented November 5, 1889.

In constructing this device the main object was to produce a sprinkler that would scatter the water more evenly and over a larger area than would any other sprinkler. This purpose has been fully realized in the "Water Witch."

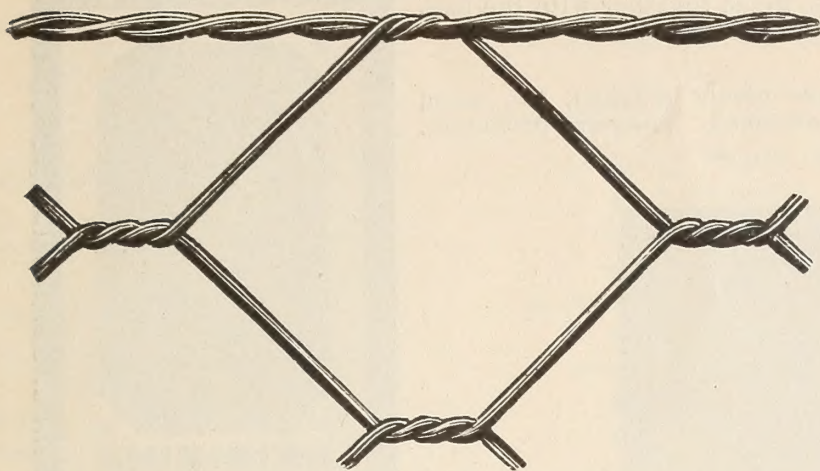
The water flows through the nozzle with unimpeded force, and is divided and deflected by the two lips of the swivel piece, which it causes to revolve rapidly, scattering the water in fine drops and evenly over a circular area of twenty-five to forty feet diameter.

No. 3, - - - - Price, 38c.





## POULTRY NETTING.



No. 20 Wire, 2 in. Mesh..\$0 45 per 100 sq. ft.  
 No. 19 Wire, 2 in. Mesh.. 48 per 100 sq. ft.  
 No. 20 Wire, 1 in. Mesh.. 1 00 per 100 sq. ft.  
 In rolls of 150 running feet. Width 1 ft., 2  
 ft., 3 ft., 4 ft., 5 ft., 6 ft.

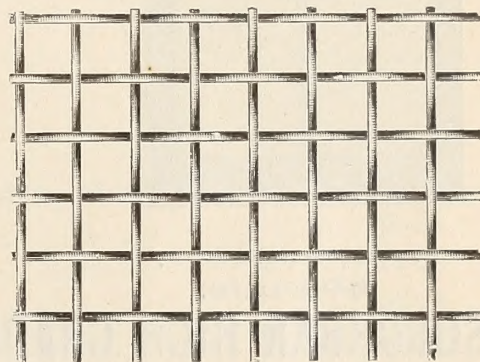
**Green or Black Wire Cloth for Doors and  
Screens, all Widths.**

24-26-28-30-32-34-36-38-40 Inch.

**1 3-4c. Square Ft.**

**Square Mesh Galvanized Cloth.**

**All Sizes, 4 1-2c. Square Ft.**



**Staples and Double-Pointed Tacks, for Fastening all Kinds of Wire,**

**Hasps, Staples and Padlocks for Fence and Chicken House Gates and Doors.**

## POULTRY SUPPLIES.

Ground Meat, best quality .....	100-lb. bag, \$3 00; ton, \$52 00
Ground Bone, fine .....	100-lb. bag, \$2 75; ton, \$47 00
Ground Bone, coarse .....	100-lb. bag, \$2 50; ton, \$45 00
Ground Oyster Shells .....	100-lb. bag, .50; ton, \$ 9 00
Mica Crystal Grit .....	100-lb bag, \$1 00; ton, \$15 00
Sea Shells .....	bbl. 200 to 250 lbs., \$ 2 00
Haven's Climax Condition Powder .....	1-lb. pkg., 25c.; 5-lb. box, \$ 1 00
Rust's Egg Producer, 1-lb. pkg., 25c.; 2½-lb. box, 50c.; 6-lb. box, \$1 00; 10-lb. box, \$1 50;	
25 lb. keg .....	\$3 25
Haven's Roup Pills, for Roup, Catarrh, Colds, etc.....	25c. box
Rust's Healing Powder.....	25c bottle
Nest Eggs .....	.2c each
Bowker's Animal Meal .....	25-lb. bag 75c.; 50-lb. bag, \$1 25; 100-lb. bag, \$2 50
Ashland Stock Food for Horses, Cows, Hogs and Sheep .....	
3-lb package .....	25c
7-lb package .....	50c
12-lb package .....	75c
25-lb package.....	\$1.45
1¾-lb. package Poultry Food .....	25c

**Heavy Galvanized Iron Drinking Fountains.**

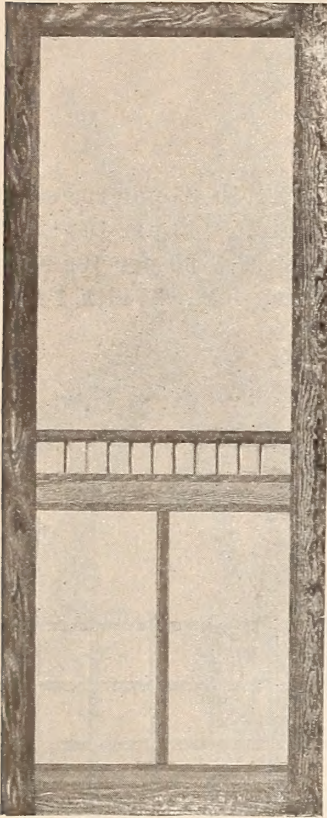


**WINDOW SCREENS.**

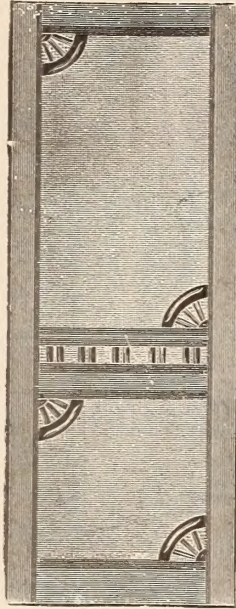
OUR FANCY SCREEN DOORS are handsome in design, being the result of careful study and combination. Without being overloaded with ornament, they are always pleasing to persons of correct taste.

They are strongly and carefully made from selected materials, glued together with the long corrugated dowels.

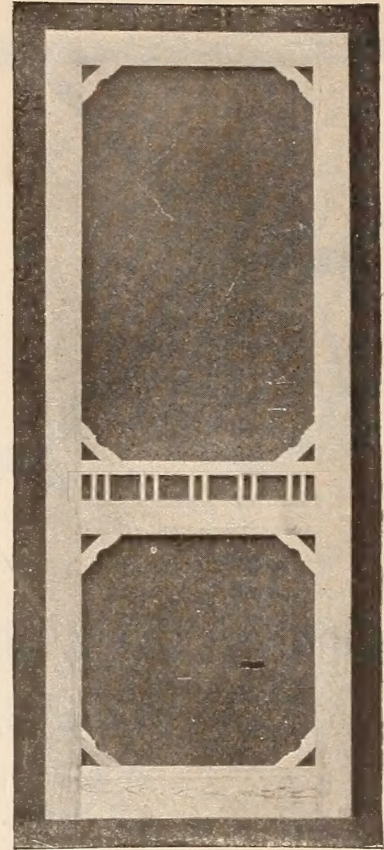
These doors are nicely finished, the wood being-filled and varnished. They are first-class.



Walnut Stained Door,  
**69 cents.**

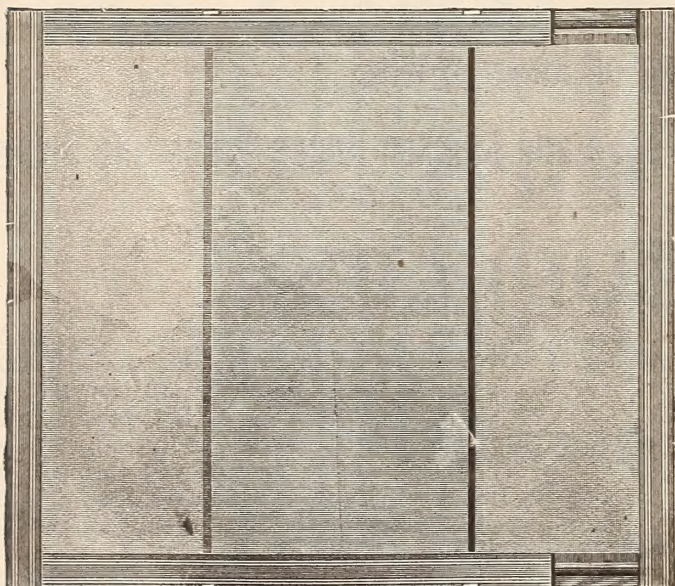


"Fancy" Pattern,  
**98 cents.**



The "Standard Oiled" Door,  
**89 cents.**

Extra Quality, Filled and Varnished or  
Painted Green, \$1.75 each.

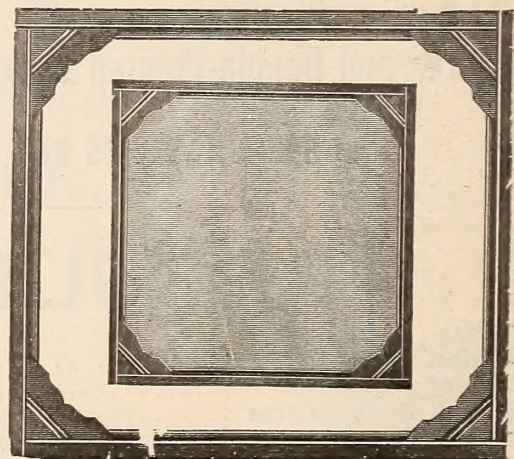
**SUBURBAN HIGH GRADE DOOR.**

"Flyer" Window Screen.

Introduced by us in 1895, during the hard times.

Of all the goods that we ever put on the market, we never before had an article that met with such immediate approval and success.

No. 118—18 high, 22 to 33.....	19 cents	No. 133—24 high, 22 to 33.....	25 cents
No. 136—24 high, 24 to 37.....	25 cents	No. 128—28 high, 24 to 37.....	30 cents
No. 137—30 high, 24 to 37.....	30 cents	No. 139—30 high 26 to 41.....	40 cents
No. 142—30 high 28 to 45.....	45 cents	No. 124—24 high 16 to 24 for narrow windows	25 cents
		No. 130—30 high 16 to 24 for narrow windows	30 cents



Phillips' Improved Window Screen Frame.

Oak Oiled, 36x36 .....	25 cts.
Oak Oiled, 48x48 .....	35 cts.
Imt. Walnut .....	20 cts.



# INDEX.

	PAGE.
Agricultural Tools.....	40-64
Bone Cutters.....	50
Barrows, Garden.....	63
"    Canal.....	63
Cultivators, Horse.....	46, 47-48
Corn Shellers.....	51
"    Planters.....	46-48
Churns.....	62
Croquet.....	64
Drills, Seed.....	50
Dressing, Lawn.....	26
Dairy Supplies.....	61
Dibbles.....	41
Egg Producer.....	67
Fertilizers.....	39
Freezers.....	61
Fodder Cutters.....	53
Forks, Hay, Potato, Manure, etc.....	43
Fruit Pickers.....	41
Garden Requisites.....	41
"    Hose.....	66
Grafting Wax.....	28
Hellebore.....	60
Hay Cutters.....	53
"    Racks.....	55
Harrows.....	56, 57-58
Hay Tools.....	59
Hose Reels.....	66
Hose.....	66
Hammocks.....	65
Hedge Shears.....	41
Hose Menders and Nozzles.....	66
Hoes and Hooks.....	45
Jacks, Wagon.....	58
Lawn, How to Make.....	25
"    Mowers.....	42
"    Sprinklers.....	51-52
"    Swings.....	64
Laundry Supplies.....	63-64
Markers.....	54
Mills, FaL.....	54
"    Fruit.....	50-51
"    Cider.....	50-51
Mangers.....	55

	PAGE.
Planet, Jr , Tools.....	46-47
Pruners.....	41
Plows.....	40
Presses, Wine or Cider.....	50-51
Pulverizer.....	47
Pumps, Force.....	52
Paris Green.....	60
Poultry Wire and Supplies.....	67
Rakes, Horse.....	49
"    Hand, Steel.....	44
"    "    Wood.....	60
Root Cutters.....	49
Roots and Plants.....	28
Rollers, Garden.....	42
"    Field.....	55
Syringes.....	41
Seeds, Vegetable & Novelties.....	1-29
"    Herb.....	23-24
"    Grass.....	24-25
"    Lawn.....	25-26
"    Clover.....	26
"    Grain.....	27
"    Miscellaneous.....	27-28
"    Bird.....	28
"    for Given Number of Plants.....	29
"    to Crop Acre of Land.....	29
"    Cultivation of Flower.....	30
"    General List of ".....	31-38
Scrapers, Road.....	60
Settees.....	56
Sprayers and Sprinklers.....	51-52
Slug Shot.....	60
Trowels.....	41
Wringers.....	64
Washing Machines.....	63
Wire.....	67
Window and Door Screens.....	68
Whale Oil Soap.....	60



89 VAN HOUTEN STREET (Seed Dep't.)

137 MAIN STREET

92 AND 94 WASHINGTON STREET

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ESTABLISHED 1835